

Top Science 2 PRIMARY

TEACHER'S RESOURCE BOOK



Introduction

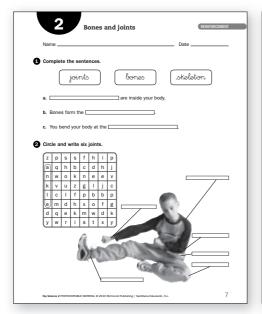
Top Science 2 Teacher's Resource Book provides a range of materials designed to complement the Student's Book and the Teacher's Book. These materials contribute to the flexible nature of *Top Science*: students in the same class can be given worksheets at different levels, or weaker students can complete the tasks with stronger peers. Teachers with more contact hours can make use of these photocopiable materials as and when they need them.

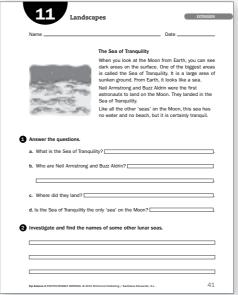
There are four categories of worksheets: reinforcement, extension, assessment and speaking. Use them for revision purposes, for extension practice, as progress tests, assessment, or for homework. The worksheets can be photocopied and filed in a folder.

Reinforcement and extension worksheets

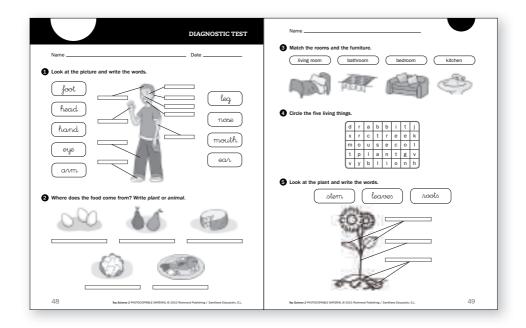
There are twenty-two reinforcement and fifteen extension worksheets. These materials constitute a flexible tool: they can be worked on after the relevant section in the Student's Book, before the *Now I know* sections, or as extra preparation for the Unit assessment.

The extension worksheets can be used for fast finishers or to extend class work. Depending on the level of the class, students can complete the worksheets with or without consulting their Student's Book.





Diagnostic test

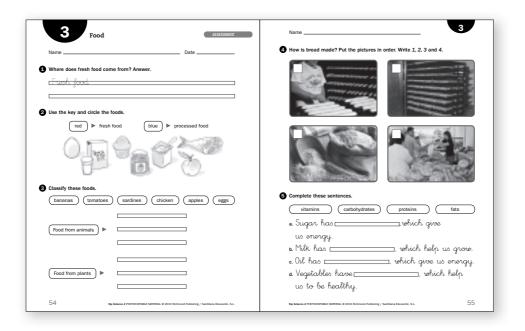


This test is to be completed at the start of the school year to give an indication of student's basic level of Science and English.

Assessment worksheets

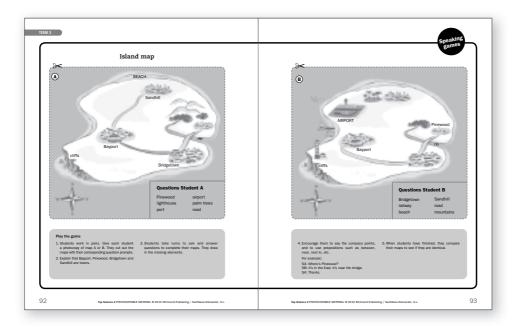
Unit assessment and Term assessment

There are fifteen Unit tests, in addition to three Term tests. These can be given to the students once a unit has been completed, or as revision before each Term test. The answer keys are provided.



Speaking games

Six pages of speaking games provide extra oral practice. These worksheets are designed to be done in pairs or small groups. Instructions on how to play the games are on the worksheets and should be cut off before distributing the material to the students.



Other resources

ICT Resource Pack

The ICT Resource Pack consists of 2 CD-Roms.

CD1

Digital flashcards and classroom posters:
 the digital version of all the printed posters and flashcards can be used to give whiteboard presentations.



• **Web bank:** the Web bank includes some of the best, free web links for teaching Science, Geography and History. These links provide access to valuable on-line resources which can help to integrate the contents, basic competences and assessment criteria of *Top Science*.

CD₂

The second CD-ROM provides, in digital format, all the materials found in this *Teachers Resource Book*, including the answer keys. The Class audio is also available on this CD.

i-books

Top Science Student's Books are available in i-book format so teachers can choose to present the student's material on the whiteboard.

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EXTENSION WORKSHEETS 102 ASSESSMENT WORKSHEETS
ASSESSMENT WORKSHEETS

1 How are they feeling? Match and write.

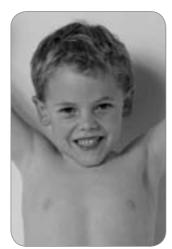
happy

sad

angry

scared

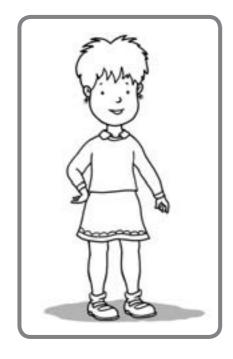


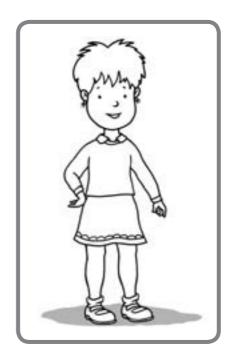






2 Colour the girls. Make them look different.





1 Complete the sentences.

joints

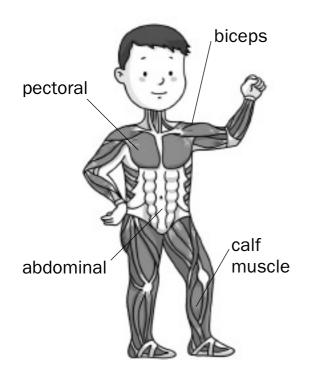
bones

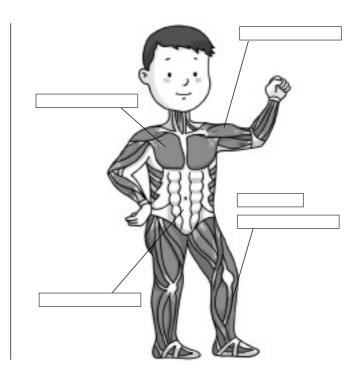
skeleton

- a. _____ are inside your body.
- **b.** Bones form the
- c. You bend your body at the _______.
- 2 Circle and write six joints.

Z	р	s	S	f	h	i	р	
a	q	h	b	С	d	h	j	
n	W	0	k	n	е	е	٧	
k	V	u	Z	g		j	С	
I	С	I	f	р	b	b	р	
e	m	d	h	Χ	0	f	g	
d	q	е	k	m	W	d	k	
у	W	r	i	s	t	Χ	у	

Look at Picture A. Copy the names of the muscles in Picture B.





2 Write T (true) or F (false).

Ī		Muscles	form	your	skel	leton.
---	--	---------	------	------	------	--------

	You use you	r calf muscles	to move your arms
--	-------------	----------------	-------------------

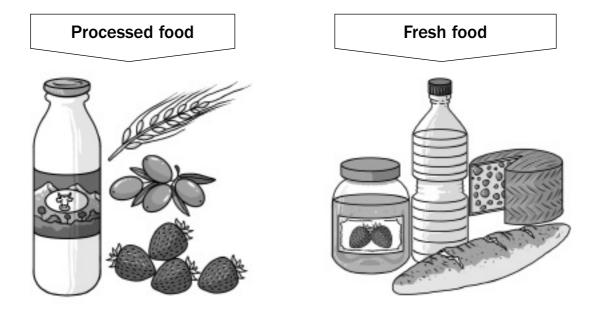
3 Complete the sentence.

You use your to move your

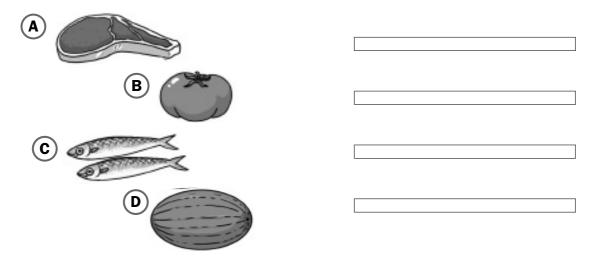




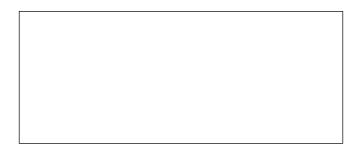
Match.



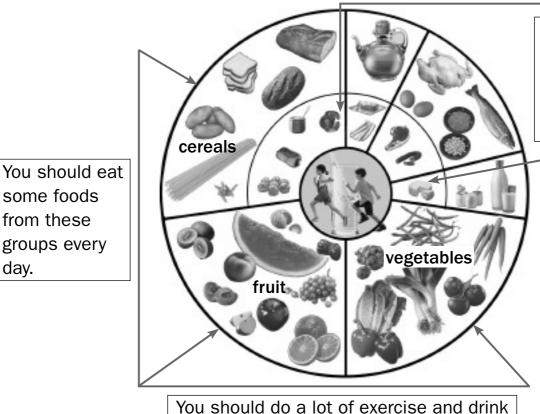
2 Where do these foods come from? Write animal or plant.



3 Draw two more foods: one from an animal and one from a plant.







You shouldn't eat too many foods from the centre of the wheel.

some foods from these groups every day.

a lot of water.

- a. We should eat foods from these three groups every day.
- **b.** We shouldn't eat a lot of these foods.

Look at the food wheel. Write.

c. To be healthy, we should do these two things.



Which objects contain air? Colour them.

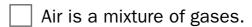


2 Write T (true) or F (false).

	Air	takes	นท	space.
	/ 111	unico	uр	JPUCC.



Г				
1	YOU	can	see	aır.



Air	contains	oxvgen.
/ 111	COLICALIS	



3 Which objects move with air? Circle.

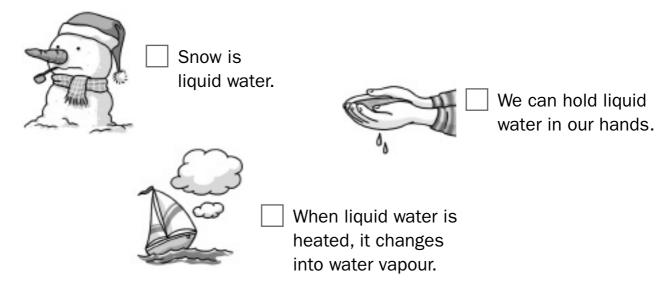




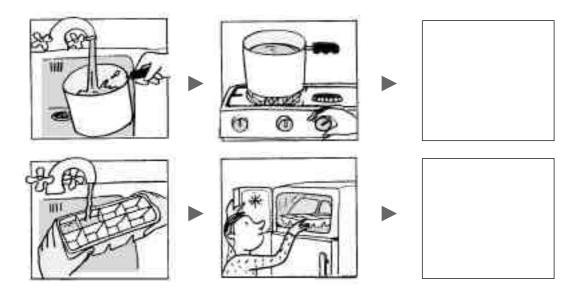




Look at the pictures and tick the true sentences.



2 Look at the pictures. Then draw the next picture.



- 3 Complete the sentences.

8

The Earth and the Sun

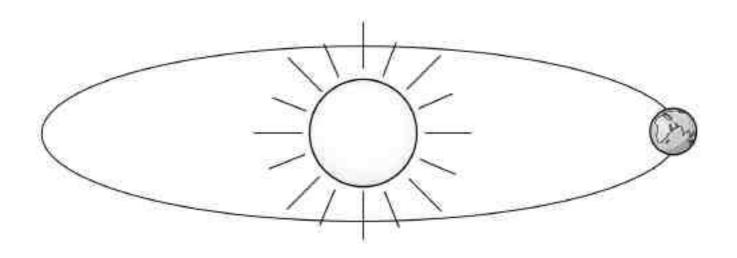
Name ______ Date _____

1 Colour the diagram.

blue \ \rightarrow the Earth

(yellow) ▶ the Sun

green the movement of the Earth round the Sun

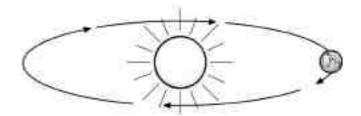


2 Match.

The Earth takes a year to move round the Sun.



The Earth takes a day to spin round.



1 Complete the sentences.

Constellations

Sun

Moon

a. The ______ hasn't got any water or air.

b. The ______ is the nearest star to Earth.

c. are groups of stars.

2 Write day or night and complete the sentences.





a. It is ______ because _____

.

b. It is ______ because _____

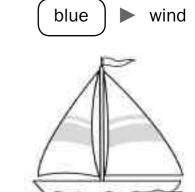
1 Which way is the box moving? Colour the arrow.

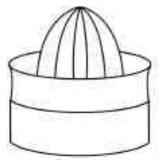


2 What do these machines need to work? Colour.







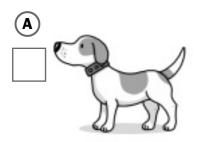


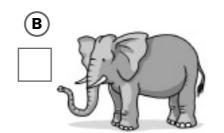


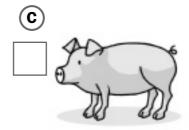
3 Draw two more machines.

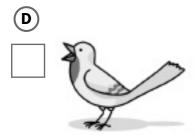
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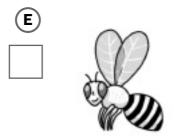
1 Tick the mammals. Then complete the sentence.

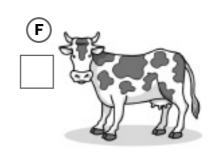












:	<u>`</u>		
Ĭ.,	/	, [,
		,	′

	and 🕜	are mammals
:		

2 What do all mammals have in common? Tick.

- They are all viviparous.
- They have feathers.
- They drink their mother's milk.
- They are all carnivores.
- They are living things.
- They are born from their mother's womb.

1 Describe these animals. Write Yes or No.





a. It has scales.

b. It has feathers.

c. It is a vertebrate.

d. It flies.

e. It crawls.

f. It is a bird.

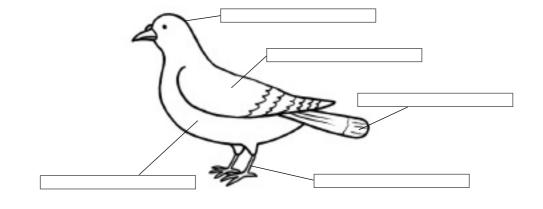
g. It is a reptile.

2 Write the words. Colour the bird.

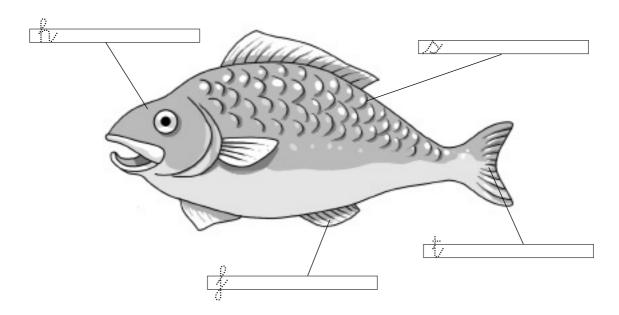
head leg

(trunk) (wing)

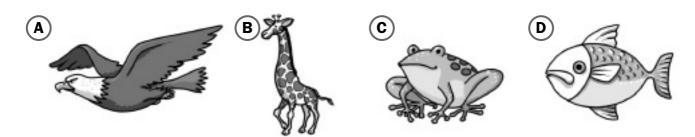
tail



1 Look at the fish. Write the words.



2 Circle the amphibian.

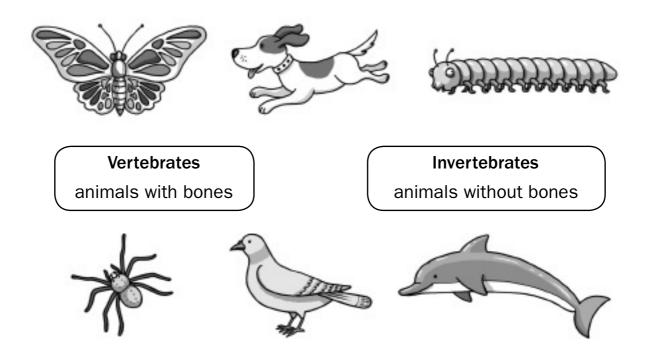


- 3 Now, complete the sentences.
 - a. Amphibians have ______ skin.
 - **b.** Amphibians are born from ______

 - d. Then, they live on



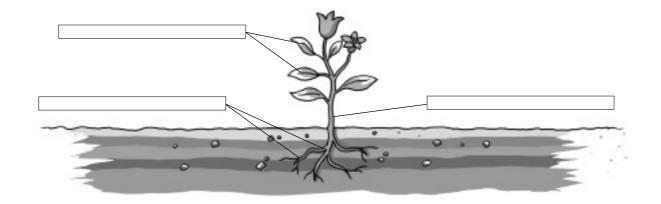
1 Are they vertebrates or invertebrates? Match.



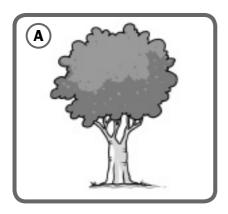
2 Look at the picture and tick the true sentences.

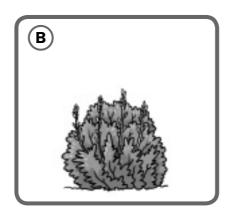
	It is an invertebrate.
	It is an insect.
	Its body is covered with feathers.
	It has got bones.
	It is a butterfly.
	It has got wings.
See A	It lives in water.

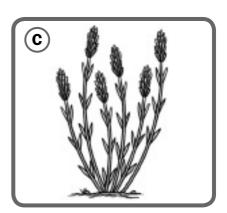
- Read the information and write the words.
 - The **roots** are under the ground.
 - The **stem** supports the plant.
 - The leaves grow from the stem.



2 Match the plants to the descriptions.





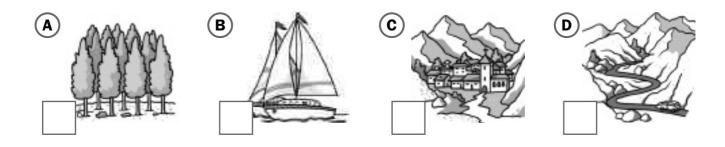


Bush
It has a short, hard stem.

Tree
It has a hard, thick stem called a trunk.

Grass
It has a soft, green stem.

1 What can you see in a mountain landscape? Tick.



2 Now complete the text.

roads forests villages rivers

In mountain landscapes there are and and are narrow and the are are small.

3 Look at the coastal landscape. Circle the man-made elements.



- 1 Match.
 - a. Gardeners
- $(\bigcirc$ organise public services.

b. Firefighters

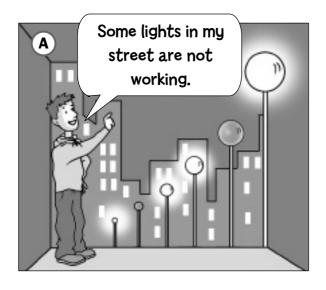
- keep the city clean.
- **c.** The mayor and the councillors \bigcirc
- $(\, \cap \,$ look after the gardens and parks.

d. The police

 \bigcirc fight fires.

e. Rubbish collectors

- look after security and traffic.
- 2 Which public service do these people need? Tick.





street lighting

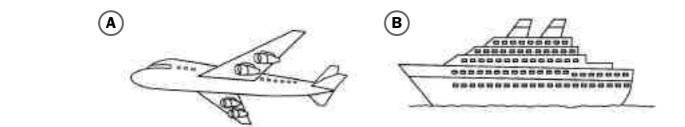
rubbish collection

firefighters

parks and gardens

1 How do they travel? Colour the pictures.







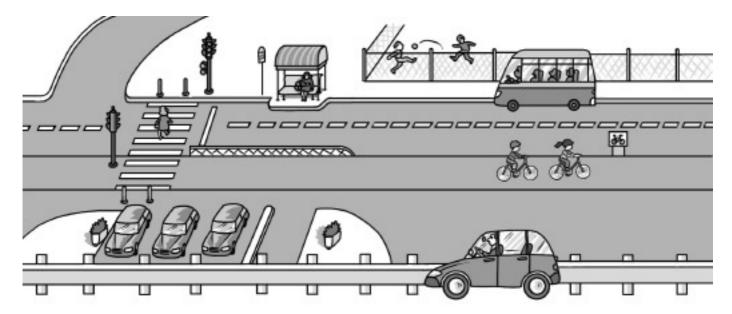
2 Complete the sentences with these words.

passengers air merchandise sea land

- **b.** Ships travel by
- c. Lorries carry
- d. Aeroplanes travel by

Name	Date

1 Look at the picture. Then tick the correct answers.



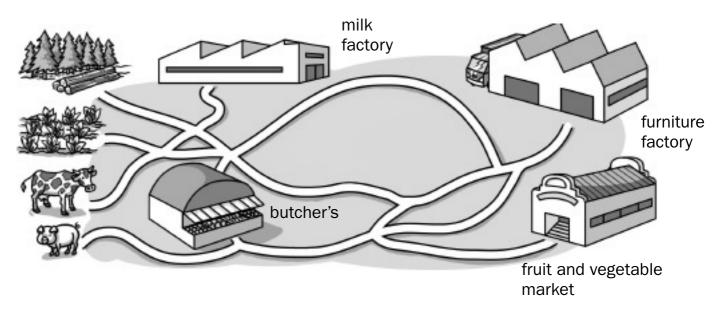
a.	Where should pedestrians cros	ss the road?
	At the bus stop.	At the zebra crossing.
b.	Where should you wait for the	bus?
	At the bus stop.	In the road.
c.	Where should children travel in	cars?
	In the front of the car.	In the back of the car.
d.	What should people wear in ca	rs?
	Helmets.	Seat belts.
e.	Where should children play bal	l?
	In the park.	On the pavement.
f.	Where do cars and buses trave	el?
	On the road.	On the pavement.

20

Manufactured products

Name ______ Date _____

1 Where do the products go? Colour the paths.



2 Complete the sentence.

raw materials

factories

manufactured products

In ______v

workers use

to make

3 Match the products to the shops.

- a. medicines
 - cines O
- **b.** cakes
- c. books
- **d.** oranges \bigcirc

- bookshop
- (○ greengrocer's
- (baker's

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

1 Look at the calendar and answer the questions.

		· · · · · · · · · · · · · · · · · · ·
a.	How many day	s are there in this month?
•••		

- **b.** What day is the first Monday in this month?
- c. What day of the week is the 23rd?
- d. How many Sundays are there in this month?
- 2 What did John do yesterday? Draw the time on the clocks.

He had breakfast at seven o'clock.



He visited his grandmother at six o'clock.



An hour later he went out.



He was there for two hours.



He went back home four hours later.



He went to bed at ten o'clock.



1 Look at the pictures and write Then or Now.









2 Complete the sentences.

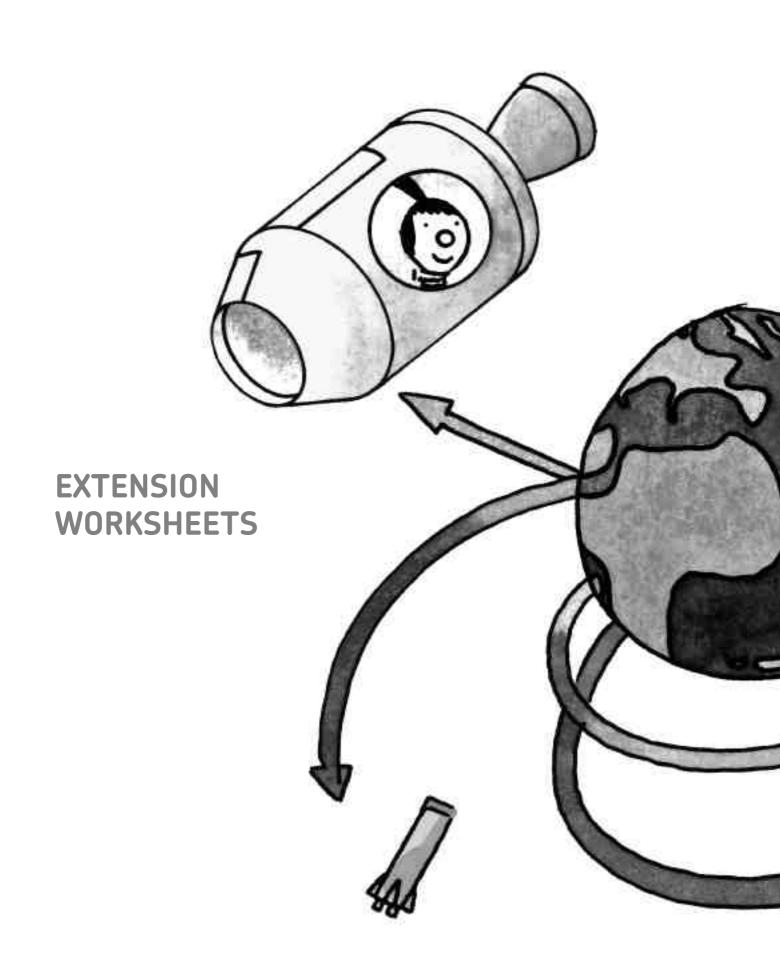
tractors

washing machines

ploughs

by hand

- **b.** Now, people wash their clothes in _______.
- d. Now, they use



Name	Date

Surnames



Your surname is the name of your family. Every surname has a different origin. Surnames which end in 'son' mean 'son of'. Jackson is 'son of Jack' and Thomson is 'son of Thomas'. Other surnames come from the names of professions. A potter is a person who makes pots, so one of Harry Potter's ancestors was a potter. Other surnames from professions are Butcher, Baker and Smith. Some surnames come from

plants, such as Rose, Rush and Wood. Other surnames come from the names of animals, such as Wolf and Fox.

1 Find six surnames and write them.

J	Α	С	K	S	0	N
Р	В	Α	K	Ε	R	I
R	U	S	Н	В	Н	Ν
С	В	S	М	I	Т	Н
В	U	Т	С	Н	Ε	R
R	S	Ε	W	0	L	F

R			
\bigvee			
В			
S			
В			

2 What are their surnames? Write.







2

Your body

Name ______ Date _____

Body quiz

1	How	much	do	you	know	about	your	body?
---	-----	------	----	-----	------	-------	------	-------

	· · · · · · · · · · · · · · · · · · ·
a.	What do your bones form?
b.	Write two bones in your arm.
C.	Write two bones in your leg.
d.	Write one of the joints in your arm.
e.	Write one of the joints in your leg.
f.	Write one muscle you use to move your arm.
g.	What is the name of a muscle in your chest?
h.	What muscles do you use to express feelings?
i.	What goes into your lungs?



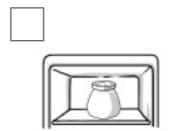
Making yoghurt

Yoghurt is very good for you. It has got a lot of calcium and protein. It is very easy to make.

You need:

- Half a litre of milk
- A spoonful of plain yoghurt
- A glass jar with a lid
- 1. Heat the milk, but don't boil it.
- 2. Let the milk cool.
- 3. Put a spoonful of yoghurt in the jar. Add the milk. Stir the milk and the yoghurt. Put the lid on the jar.
- 4. Wrap the jar in newspaper. Leave it in a warm place for six hours.
- 5. Put the jar in the fridge until it is cold.
- 1 How do you make yoghurt? Put the pictures in order. Write 1, 2, 3 and 4.







- 2 Complete the sentences.
 - a. Yoghurt has got a lot of ______ to help you to grow.
 - **b.** It has got a lot of ______ to make your bones strong.



Keeping healthy

Name ______ Date _____

1 Write the food groups in the food wheel.

vegetables) (proteins

dairy products

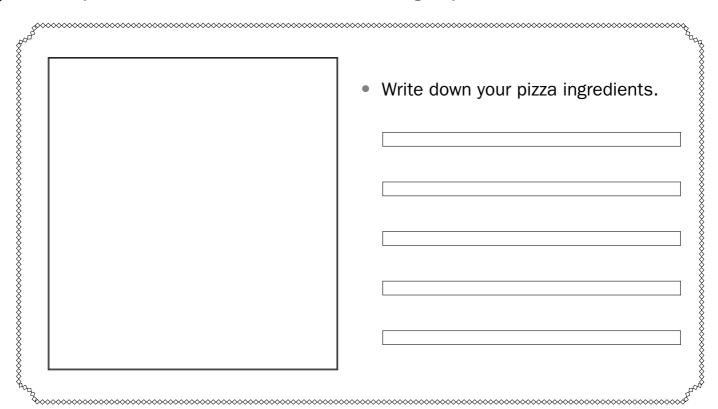
fats

cereals

fruits



2 Draw a pizza. Use foods from 4 different food groups.



3 Write and draw a healthy menu for lunch.

Starter

Main course

Dessert

• Tell a classmate why your menu is healthy.

5 Water

Name ______ Date _____

A desert of water

The Antarctic is one of the biggest deserts in the world, although it is not hot there and there is no sand. There is just a lot of water. Over half of the fresh water on the planet is in the Antarctic in the form of snow.

The Antarctic is at the South Pole and all the ground is frozen. The temperatures are very low. It is too cold for most living things, but penguins, seals and whales can live there.



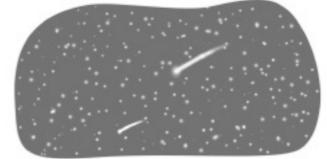
1 Complete the card about the Antarctic.

	The Antarctic
Location:	
Ground:	
Temperatures:	
Animals:	

- 2 Answer the questions.
 - a. Is snow salt water or fresh water?
 - b. Where can you find fresh water?
 - c. Where can you find salt water?

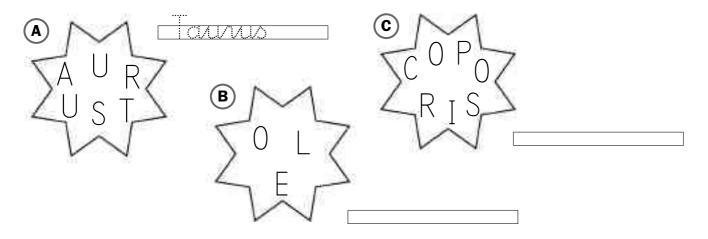
Shooting stars

Shooting stars are bright, white lights which cross the sky very quickly. They are not really stars. They are rocks which burn when they enter the Earth's atmosphere. Real stars are much bigger and brighter, like the Sun.



If you want to see shooting stars, you need to go to the country or somewhere away from city lights. Wait for a clear night with no clouds. Then, all you need is a bit of patience!

- **1** Write *T* (true) or *F* (false).
 - Shooting stars are rocks.
 - Real stars are smaller than shooting stars.
 - It is more difficult to see shooting stars in a city.
- 2 Put the letters in order to find the names of three constellations.



Machines

Name	Date

An amazing inventor

We use lots of machines every day. Every machine has an inventor: someone who had a brilliant idea and invented the machine.

Yoshiro Nakamatsu is a Japanese inventor. He has invented over two thousand objects!

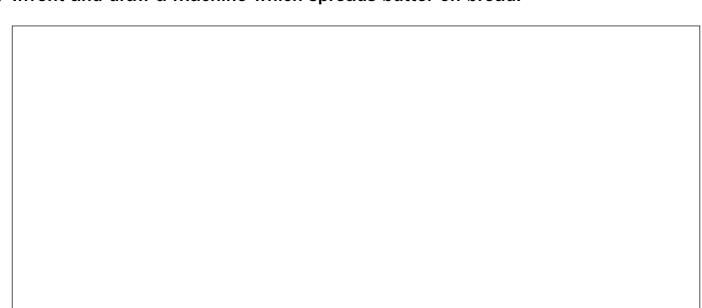
Nakamatsu is over eighty years old. He wants to live a long time because he wants to invent more things. His latest invention is Pyon Pyon jumping shoes. If you wear these shoes, you don't walk – you jump!



1 Answer the questions.	

- a. Who is Yoshiro Nakamatsu?
- **b.** How many objects has he invented?
- c. What is his latest invention?

2 Invent and draw a machine which spreads butter on bread.

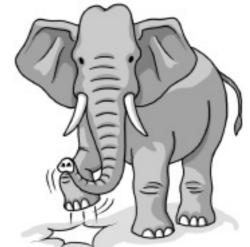


Elephant talk

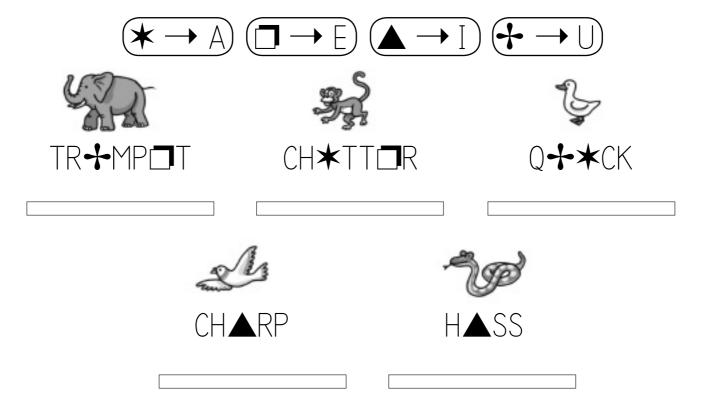
People talk. Animals do not talk, but they communicate with each other. Birds communicate with each other by singing and chirping. Dogs bark, and bees dance in front of other bees.

Elephants have different ways of communicating. This is one of them: they use their feet to send messages to other elephants. How do they do this?

The elephant stamps his foot on the ground and makes it vibrate. Other elephants 'hear' the message through their feet. But what are the elephants saying? People think they are messages about danger or messages just to say 'hello'. But only the elephants know!



1 Use the key to complete these words and find the sounds these animals make.



Frogs and toads

There are many types of frogs and toads. Goliath frogs are the biggest frogs. They are as big as your school bag. The smallest frog, the Gold frog, is the size of your fingernail.



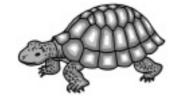
Some frogs can jump very far. There is one species which can jump the length of a football field.

Many frogs and toads can change the colour of their skin. But the champion is the Fire-bellied toad. When it wants to hide, it is the colour of the plants and stones around it. But when it is attacked, its belly changes to red and black!



- 1 Answer the questions.
 - a. Which is bigger, the Goliath frog or the Gold frog?
 - b. What colour is the belly of the Fire-bellied toad when it is attacked?
- 2 Write reptile, fish or amphibian.



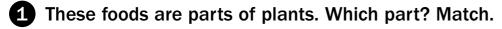


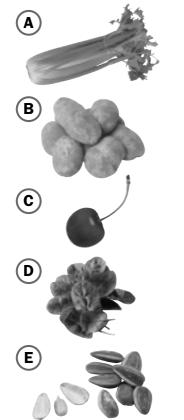


• Can you name these animals?

Make a leaf album

- Collect different types of leaves in the country or in a park.
- Put each leaf between two pages of newspaper and put some heavy books on top. The paper absorbs the damp and the heavy books make the leaves flat. The leaves dry in about ten days.
- Then, put one leaf on each page of a drawing book.
 Write information about it:
 - the name of the plant or tree
 - the day and the place you collected it
 - the shape and colour of the leaves
- Put a piece of paper between each page to protect the leaves.





seed

stem

leaf

fruit

root

Landscapes

Name	Date
Traine	Bate



The Sea of Tranquility

When you look at the Moon from Earth, you can see dark areas on the surface. One of the biggest areas is called the Sea of Tranquility. It is a large area of sunken ground. From Earth, it looks like a sea.

Neil Armstrong and Buzz Aldrin were the first astronauts to land on the Moon. They landed in the Sea of Tranquility.

Like all the other 'seas' on the Moon, this sea has no water and no beach, but it is certainly tranquil.

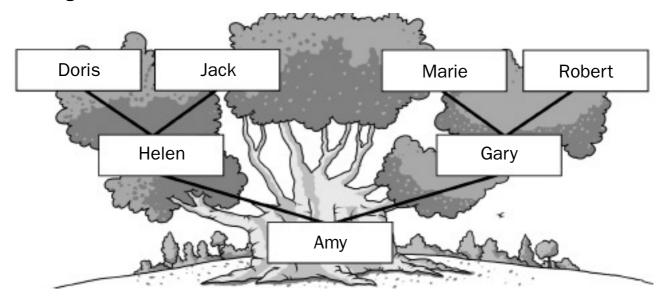
U	Ar	iswer the questions.
	a.	What is the Sea of Tranquility?
	b.	Who are Neil Armstrong and Buzz Aldrin?
	c.	Where did they land?
	d.	Is the Sea of Tranquility the only 'sea' on the Moon?
2	Inv	vestigate and find the names of some other lunar seas.

Name	Date
Name =	Date

Family trees

A family tree is a diagram which shows the members of a family and the relationship between them.

The oldest members of the family go at the top of the tree and the youngest members go at the bottom.



- 1 Look at the family tree. Circle the paternal grandparents in red. Circle the maternal grandparents in blue.
- 2 Now draw your family tree.

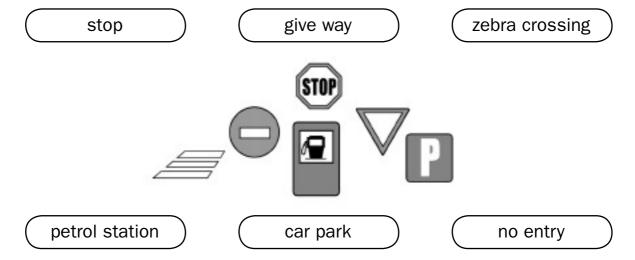
13

Transport

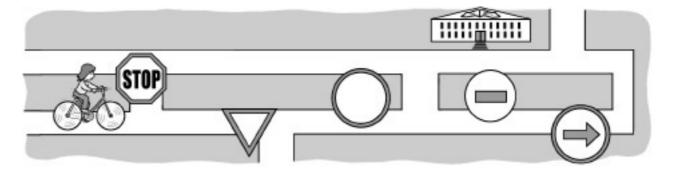
Name ______ Date _____

Road signs

1 Match the signs to their meanings.



2 Draw the route which Emma should take to the library.



3 Match and write the words.

					$\overline{}$
(pavement) (bu	ıs stop)	(zebra crossing	
\		,	· · · · · /	(

- a. You wait for the bus here.
- **b.** You cross the road here.
- c. Pedestrians walk on this.

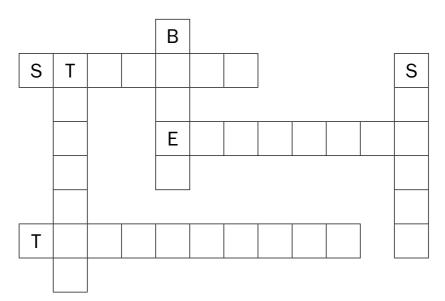
Name	Date

Old professions, new jobs

Jobs were very different a long time ago. Many people could not read or write, so scribes wrote documents for other people. Town criers walked through the towns ringing their bells and shouting the news. These days, many old professions still exist: teachers, potters, bakers...

New inventions create new professions. For example, computers need computer engineers, technicians and programmers. Aeroplanes need pilots, stewards and technicians.

1 Underline the professions in the text. Then do the crossword.



2 Match.

- a. A town crier...
- **b.** A scribe...
- c. A pilot...
- d. A potter...

- $\stackrel{\frown}{\bigcirc}$ makes things out of clay.
- flies aeroplanes.
- shouts the news.
- C writes documents.

Who is who?

1 Who is who? Read the information and write the names.

Sam was born a long time after Paul and before Dan.

Fred has got a moustache and does not wear glasses. He is the oldest.

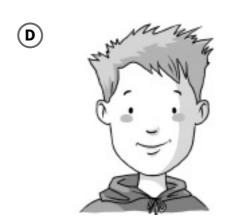
Paul has got a moustache and he never wears a hat. He was born after Fred.

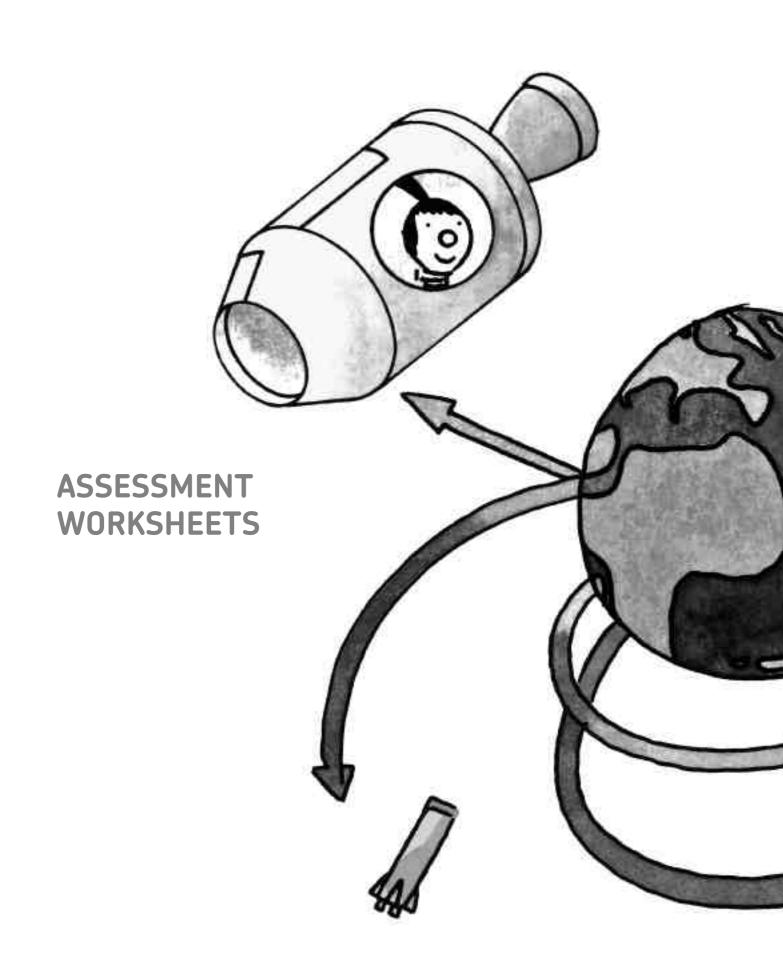
Dan was born after Sam. He is the youngest.



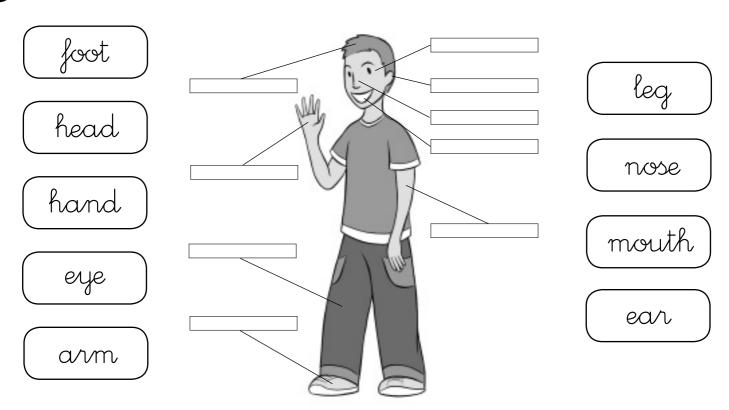




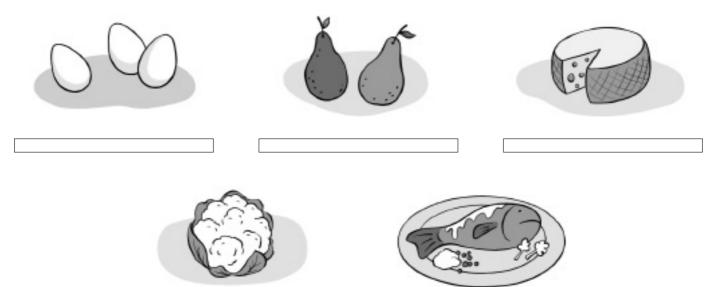




1 Look at the picture and write the words.



2 Where does the food come from? Write plant or animal.





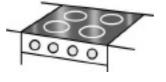
3 Match the rooms and the furniture.

living room bathroom

bedroom

kitchen









4 Circle the five living things.

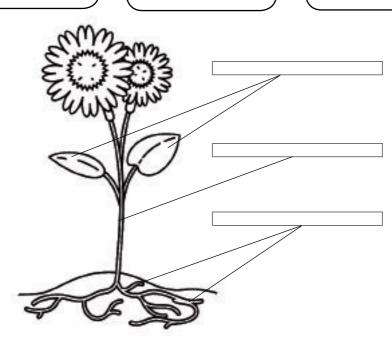
d	r	а	b	b	i	t	j
х	r	С	t	r	е	е	k
m	0	u	S	е	С	0	ı
t	р	Ι	а	n	t	g	٧
٧	у	b	I	i	0	n	h

5 Look at the plant and write the words.

stem

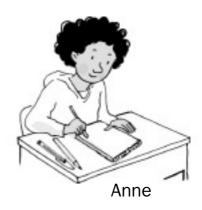
leaves

roots



1 Look at the pictures. How are the girls different? Write four sentences.





- c. Olga ________.
- d. Anne
- 2 Complete the card with your personal information.

Name:

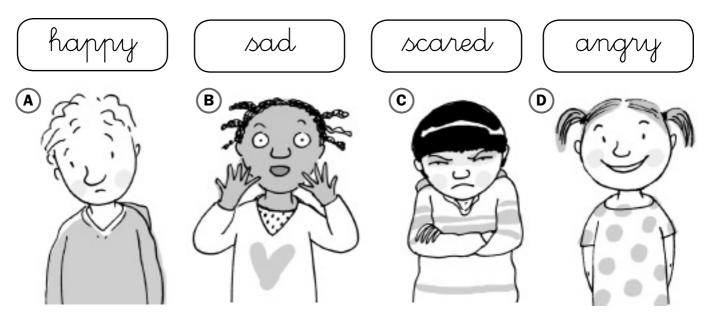
Surname(s):

Date of birth:

Day: Month: Year:

Place of birth:

3 Match the children and their feelings.



4 Happy or sad? Complete the sentences.

a.	When	it's	mv	birthday,	I feel	

_				
h	When m	v friend is	sad, I feel	
\sim .	******	y illicita is	Juu, I ICCI	l I-

5 Tick the correct answers.

a.		All	children	are	different.
----	--	-----	----------	-----	------------

- All children are the same.
- **b.** All children have the same rights.
 - All children have different rights.

6 Complete.

- a. Everybody expresses
- b. It is important to respect

Complete the sentences.

muscles) (joints)

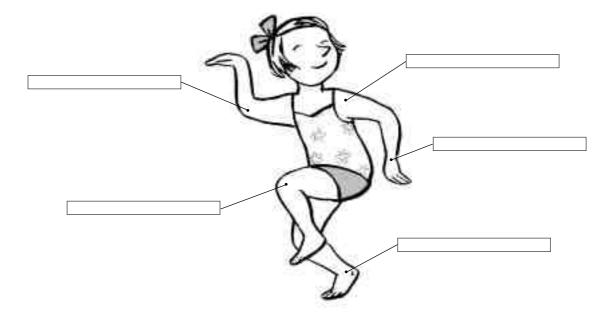
bones

a. ____are hard and rigid and form the skeleton.

b. _____are elastic and cover the skeleton.

c. You bend your body at the ______.

2 Write the names of the joints.



Write two bones and two muscles.

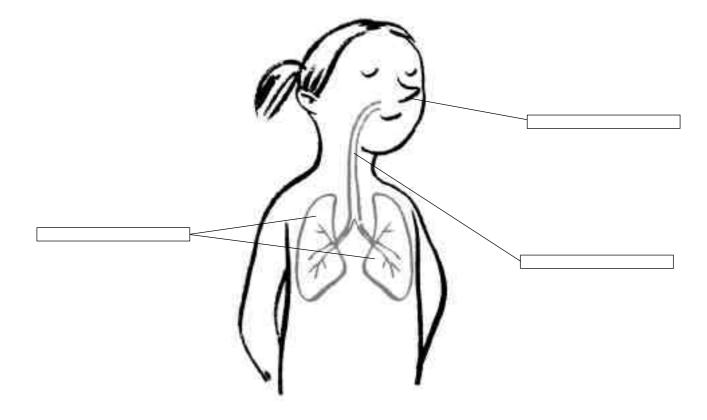
muscles

bones

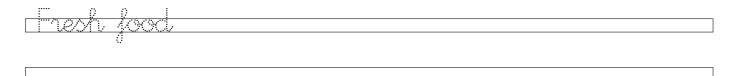
4 Read then tick the correct answers.

a.	You breathe air in through yo	our
	nose.	lungs.
b.	The air goes down a tube ca	alled the
	lung.	trachea.
c.	Lungs are like	
	bags.	bones.
d.	When you breathe out	
	you empty your lungs.	you fill your lungs.

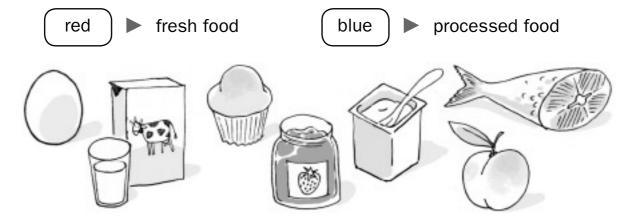
5 Label the diagram. Draw arrows to show the direction of the air when you breathe in.



1 Where does fresh food come from? Answer.



2 Use the key and circle the foods.



3 Classify these foods.

bananas (tomatoes) (sardines) (chicken) (apples) (eggs)

Food from animals

4 How is bread made? Put the pictures in order. Write 1, 2, 3 and 4.









proteins

5 Complete these sentences.

vitamins

(carbohydrates a. Sugar has ______, which give

us energy.

b. Milk has ______, which help us grow.

c. Oil has ______, which give us energy.

d. Vegetables have ______, which help us to be healthy.

fats

1 Complete these sentences.

headache

fever

broken arm

stomachache

a. If you have a ______, take an aspirin.

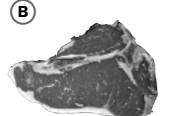
b. If you have a ______, take your temperature.

c. If you have a ______, go to the doctor.

d. If you have a ______, have an X-ray.

2 Circle the foods you should eat every day.









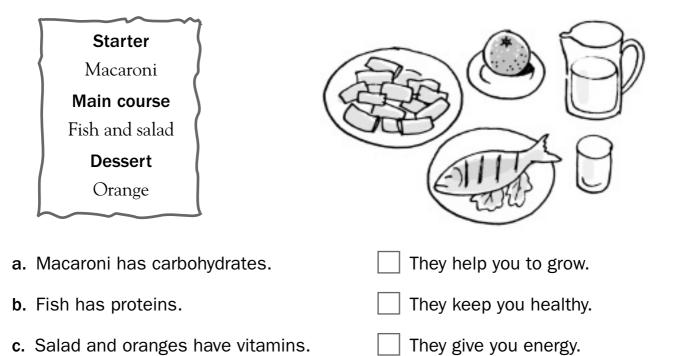








3 Look at this menu. Why is it healthy? Match the sentences.



4 Which children have healthy habits? Tick.



Date _____ Name ₋

Complete the sentences.

gases

oxygen

air

is a mixture of different gases.

b. People, animals and plants need to live.

c. Oxygen is one of the ______in air.

2 Use the key and circle the objects.

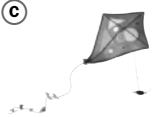
It contains air. red

blue

It moves with air.

A





(D)



Match.

a. Water is a...

solid.

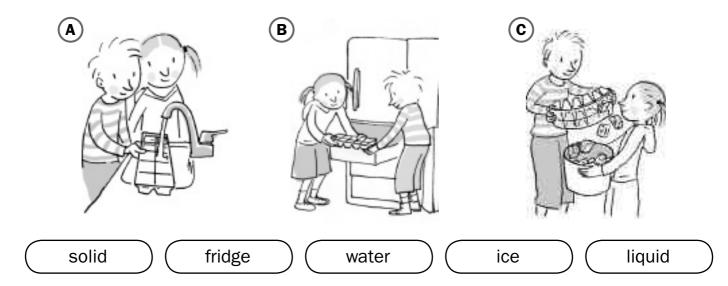
b. Water vapour is a...

liquid.

c. Ice is a...

gas.

4 Look at the pictures and complete the sentences.



- c. Later, there is ________in the tray.

5 Who is saving water? Colour the good habit.





1 Write the names. Then, colour the picture.





2 Complete the sentences.

air Earth water Sun

- a. The _____ moves round the Sun.
- **b**. The Earth gets light from the _______.
- d. There is ______all around the Earth.

3 Match.

The Earth moves round the Sun.

The Earth spins round.

A day

A year

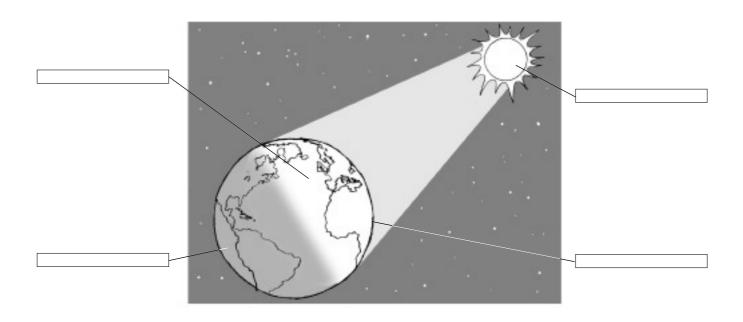
4 Look at the diagram. Write the words.

day

Earth

night

Sun



5 Tick the true sentences. Then, correct the false sentences.

	The Earth	moves	round	the	Moon.
--	-----------	-------	-------	-----	-------

- We see the Moon and stars during the day.
- The Earth takes one month to move round the Sun.
- The Moon hasn't got any air or water.
- The Sun is the nearest star to the Earth.

1 What can forces do? Use the code and colour the pictures.





2 What are these machines used for? Match.

carrying objects

squeezing oranges

cutting













keeping food fresh

lifting

listening to music

3 Write the machines.







lorry

television

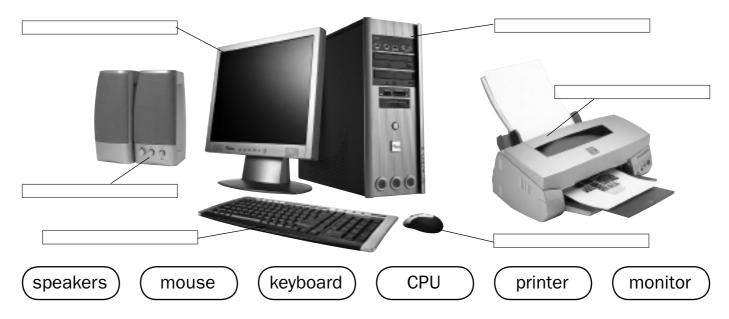
stapler

It works with human force. A

It works with petrol. A

It works with electricity. A ________.

4 Write the parts of the computer.

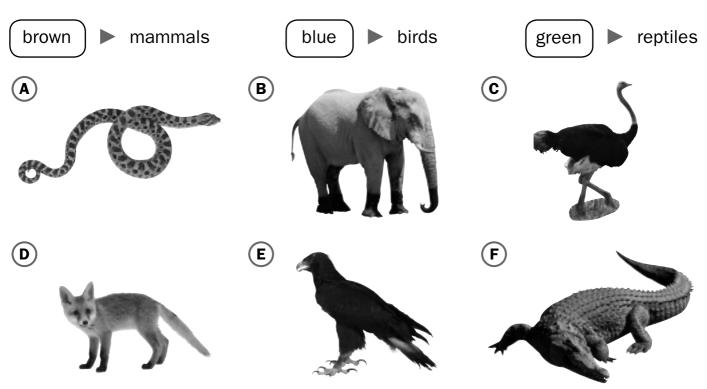


5 What are computers used for?

- a. To
- b. To
- c. To

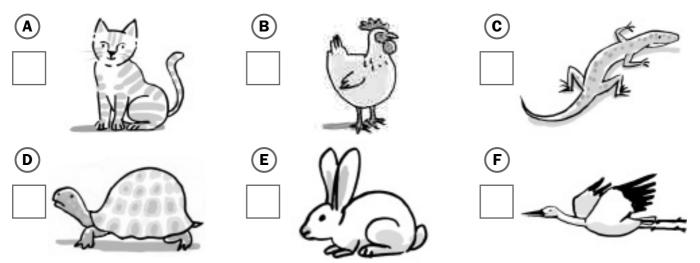


Use the code and circle the animals.



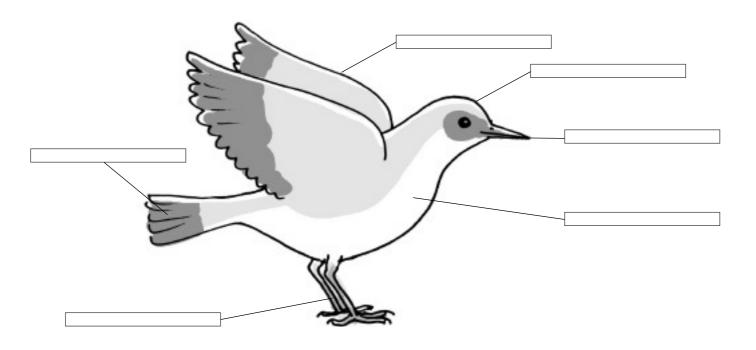
- 2 Match.
 - a. Viviparous animals...
 - **b.** Oviparous animals...
- are born from eggs.
- are born from their mother's womb.

3 Which animals are oviparous? Tick.



4 Write the parts of the bird.

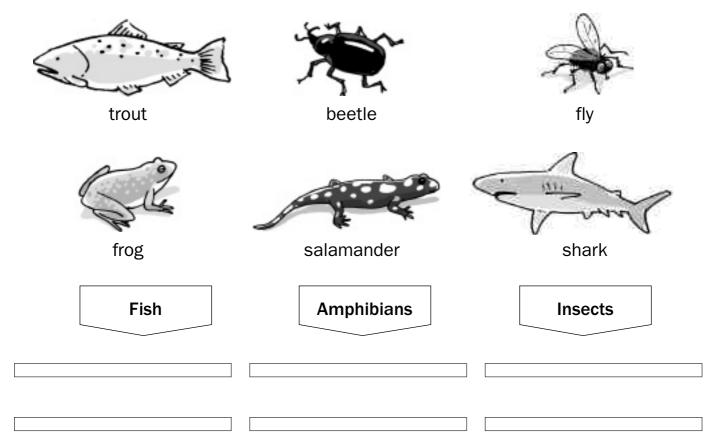




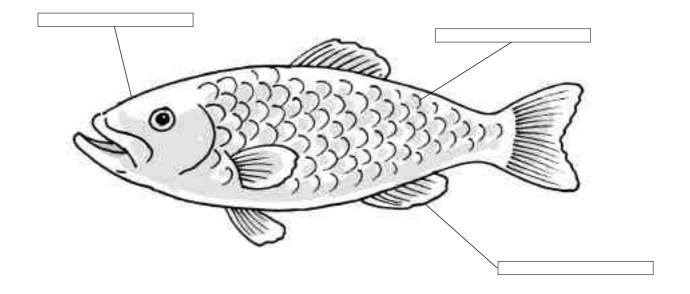
5 Complete the sentences.

b. Mammals are born from their mother's ______.

1 Classify the animals.



2 Write the parts of the fish.



3 Classify the animals. Then, answer the question.

spider

cow

sardine

octopus

Vertebrates

Invertebrates

• What are invertebrates?

4 Name these invertebrates.

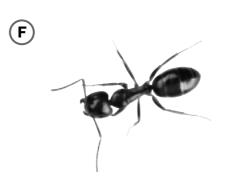




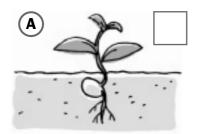


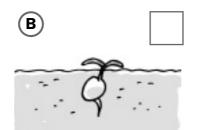


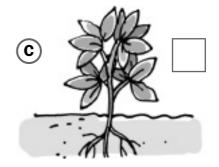




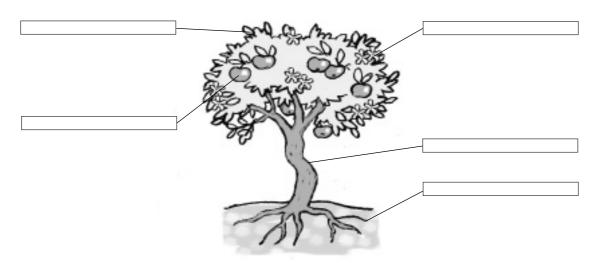
1 How do plants grow? Number the pictures 1, 2 and 3.







2 Write the parts of the tree.



3 Match and write.

A CONTRACTOR OF THE STATE OF TH

tree







grass

4 Write the words.

grasses	water (oxygen	stem	seeds
Dia da analida 🗔			al P. C al.	

- a. Plants provide ______ and food for other living things.
- **b.** Plants need ______, air, sunlight and soil.
- **c.** Plants grow from ________.
- d. Plants have roots, a _____ and leaves.
- 5 What do plants need? Write.

·		

6 What do plants give us? Draw three things.





Look at the picture and write the words.

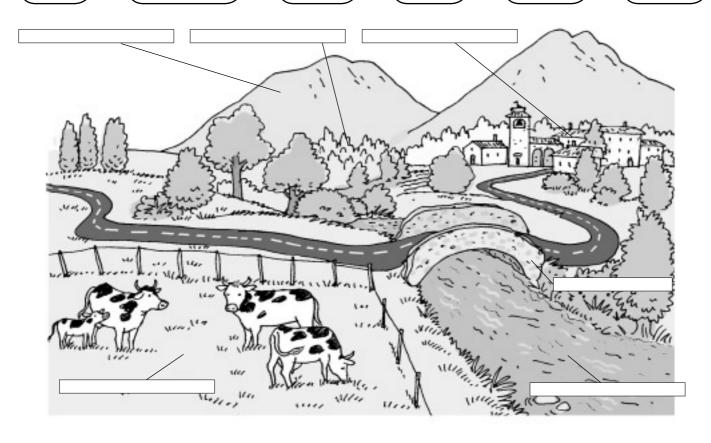
river) (mountain

forest

field

bridge

village



2 Classify the words from Activity 1.

Natural elements

Man-made elements

3 Look at this coastal landscape and complete the sentences.



Э.	A beach is the	
	part of the land near the sea.	

b.	A cliff is the
	part of the land near the sea.

4 Tick the correct an

	beaches.	narrow rivers

h	Tho	coast	ic	tha	araa	Ωf	land	which	ie	กควา
υ.	me	COast	15	uie	area	ΟI	ianu	WHICH	15	Heal

the sea.	the mountains
----------	---------------

c. There are lighthouses on the

	mountains.	coast
	mountains.	coas

5 Circle the points of the compass. Then, write them.



Х	h	е	а	S	t
d	n	0	r	t	h
ı	q	W	V	Z	g
s	W	е	S	t	t
р	k	r	С	f	W
s	0	u	t	h	j

- 1 Match the definitions.
 - a. My mother's mother is...

b. My uncle's child is...

c. My father's sister is...

d. My mother's brother is...

my uncle

my aunt

my grandmother

my cousin

2 Who does these things in your house? Write.







3 Which children are good students? Tick.







4 Match the pictures to the jobs. Then match the sentences.

gardener rubbish collector firefighter

policeman



fter the parks	after	looks	She	
itoi tiito pt	artor	100113	Onc	

	He	keeps	the	citv	clean.
	110	nccps	uic	City	Cicaii.

He looks after security and t	raffic.
-------------------------------	---------

She	fights	fires
-----	--------	-------

5 Tick the correct answer.

a. In your village or city, the place where you live is your...

neighbourhood.	school
----------------	--------

b. The ... is the head of the local council.

gardener.	mayo
gardener.	mayo

c. The local council organises...

the schools.	the public services.
--------------	----------------------

d. Street lighting is...

a public service.		a service for families.
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Name ______ Date _____

1 Match.



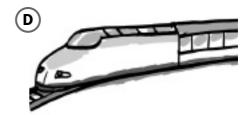
land transport



sea transport



air transport

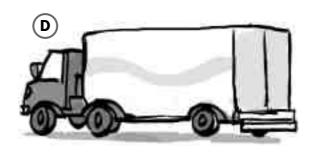


2 What do these means of transport carry? Write passengers or merchandise.





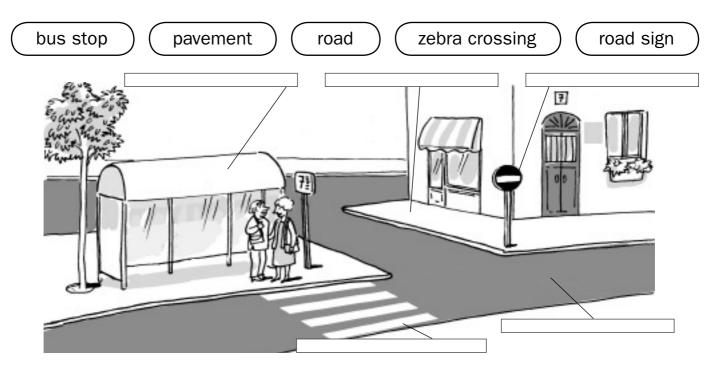




3 Write three examples of public transport.



4 Look and write.



5 Match each symbol to its meaning.



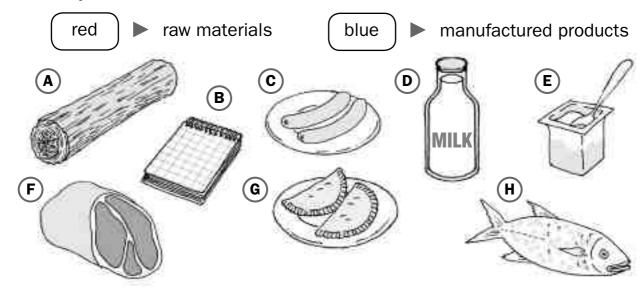
Seat reserved for pregnant women.



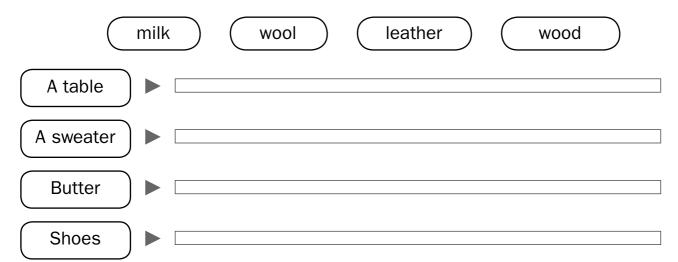
Seat reserved for disabled people.

Name ______ Date _____

Use the key and circle.



2 What raw materials do you need to manufacture these products? Write.



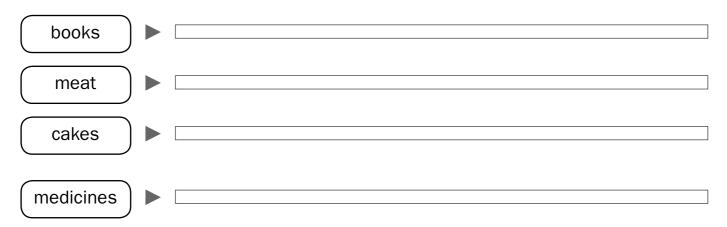
3 Complete the sentences.

shops)	(raw materials)	(products

Workers use ______ to make manufactured ______.

We buy manufactured products in _____

4 Where can you buy these products? Write.



5 Look at these means of communication. Write personal or media.









6 Which means of communication? Write the words.

a.	I can talk to a friend, but I can't see her.	
b.	I can find information from texts, photographs and videos.	
c.	I can read about the news in other countries.	

Past and present

Name ______ Date _____

- 1 Write T (true) or F (false).
 - Clocks and calendars measure time.
 - Clocks measure weeks and months.
 - Clocks measure minutes and seconds.
 - There are seven days in a month.

December						
		1	2	3	Á	5
6	7	.8	9.	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 2 Look at the calendar and answer the questions.
 - a. How many days are there in this month?
 - **b.** What day of the week is 7th December?
 - c. What day is the last day of the month?
- 3 Match the old and modern objects.









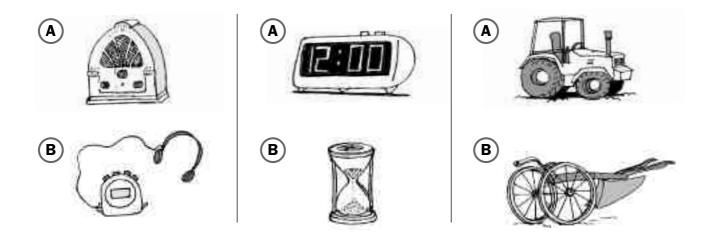




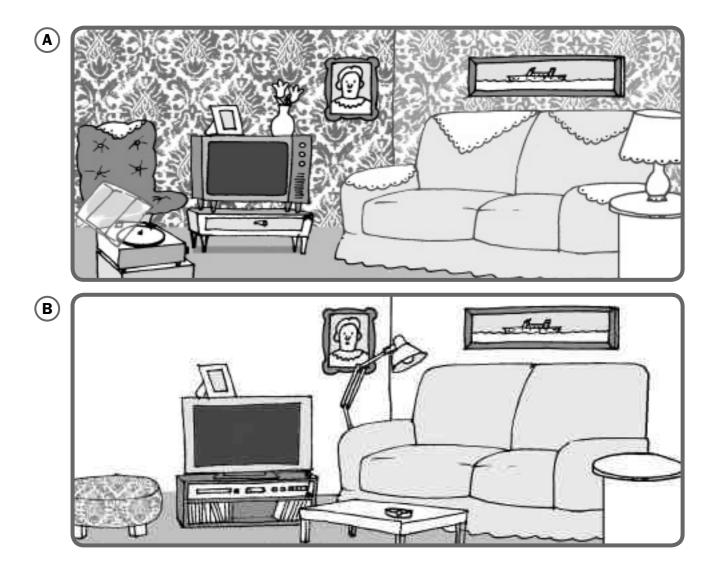




4 Circle the oldest object in each pair.

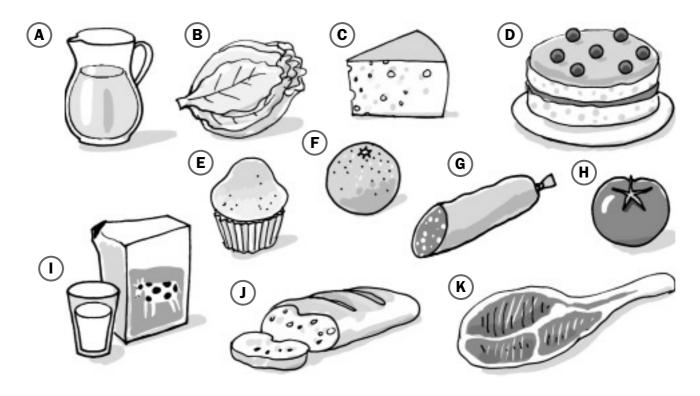


5 Compare the pictures. Circle three objects which have changed with time.



Date _____ Name _____ Match. tibia femur arm radius ribs leg humerus O trunk pelvis Write the names of the muscles. Classify the foods. **lentils** sardines tomatoes oranges meat eggs Foods from animals **Foods from plants**

4 Circle the foods you should eat every day.



5 Tick the true sentences about water. Then correct the false sentences.

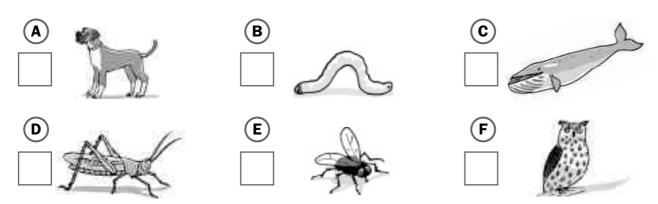
If you heat water, it changes into ice.
If you freeze water, it changes into water vapour.
Water vapour is a solid.
lce is a solid.

Name ______ Date _____

- 1 Complete the sentences.
 - a. The Earth takes ______ to spin round.
 - **b.** The Earth takes ______ to move round the Sun.
- 2 Use the key to colour the machines.
 - blue ▶ It uses electricity. red ▶ It uses petrol.
 - (green) ► It uses human energy.



3 Vertebrate or invertebrate? Write V or I.

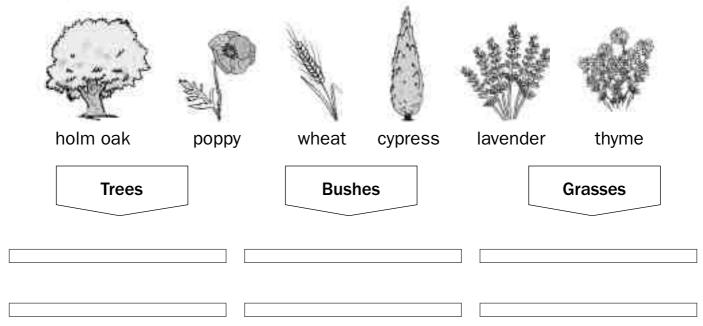


4 Complete the sentences.

Amphibians Mammals Reptiles Fish Birds

- a. are vertebrates and have fins and scales.
- **b.** have bare skin and are oviparous.
- **c.** are born from their mother's womb.
- d. have scales and crawl.
- e. _____ have wings, feathers and a beak.

5 Classify the plants.



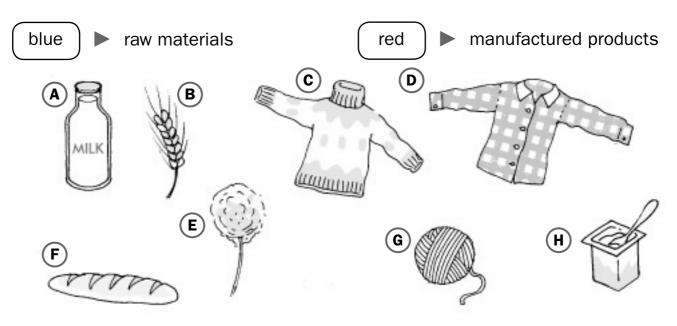
6 Write the five main parts of a plant.

_

	There are beaches, cliffs and the sea. A lot of people live there.
ì.	It is alandscape.
	There are forests, fields and rivers. The villages are very small.
).	
Nr	no does these jobs in the neighbourhood?
1.	They are responsible for the local council.
	The and the
).	They look after the parks. The
) .	They keep the town clean. The 🗥
i .	They fight fires. The
۷r	rite two means of transport in each case.
a.	They carry passengers.



4 Use the key and circle.



5 Look at the calendar and answer the questions.

[Mon	Tues	Wed	Thurs	Fri	Sat	Sun
1							1
	2	3	4	5	6	7	8
11	9	10	11	12	13	14	15
11	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
/	30	31					

- a. How many days are there in this month?
- **b.** What day of the week is the 14th?
- c. How many Thursdays are there?
- d. What day is the last day of the month?

Speaking games

Pairwork activities for oral practice.

These pages offer fun, communicative activities to stimulate oral production. There is one speaking game per term, related to topics in the Student's Book. Teaching notes at the foot of the pages can be cut off.

Food crossword and Island map.

Divide the students into pairs. Each student has version A or B of the game. Make sure students do not show their version to their partner.

Demonstrate the game with a volunteer and teach any new vocabulary. Write the questions on the board.

Guess the animal.

This is a card game to guess the different animals.

Beforehand, revise animals and their characteristics. Then, practise the questions and write them on the board. Students shouldn't show their cards until their partner has guessed the animal.

Food crossword

, X												
A	¹P	0	Т	А	Т	0		² M	E	А	Т	
	3		⁴G									
			R					5				
			⁶ A	Р	Р	⁷ L	Ε					8
			Р					°C				
			Е					10E	G	G		
				¹¹ B				R				
		12		R				Е				
	¹³ O			Ε				Α				
	I			Α				L				
	L			D		14		S				

Play the game

- 1. Students work in pairs. Give each student version A or B of the crossword. The aim of the game is for students to help each other complete their crosswords without showing their version. Teach the words 'across' and 'down'.
- 2. Students ask each other for clues. They are not allowed to say the answer directly.

Oral practice

SA: What is 2 down?

SB: It's a drink. It's white. It gives you calcium.

SA: Is it milk?

SB: That's right.

3. Once the crosswords are completed, students can work together to classify the foods into food groups.

.												
B	¹P							² M				
	Α							_				
	³S	J	⁴G	Α	R			L				
	Т							⁵ K	I	W	I	
	Α		6			⁷ L						8 Y
						Е		9				0
						N		10				G
				11		Т						Η
		¹² S	Α	R	D	I	N	Е				U
	13					L						R
												Т
						¹⁴ F	I	S	Н			

Alternative questions

SA: What is 2 down?

SB: It's a drink. It begins with "M".

SA: Give me another clue.

SB: It's white.

SA: Give me another clue. SB: It gives you calcium.

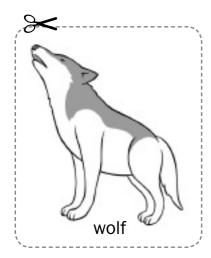
SA: Is it milk?

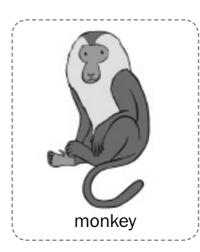
SB: Yes, that's right.

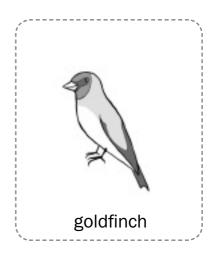
Solution

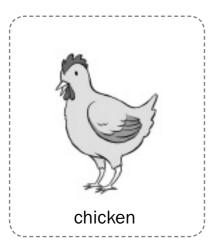
¹P	0	Т	Α	Т	0		² M	Е	Α	Т	
Α							1				
³S	U	⁴G	Α	R			L				
Т		R					⁵Κ	_	W	Ι	
Α		6А	Р	Р	L	Ε					вY
		Р			Е		°C				0
		Е			N		10E	G	G		G
			11B		Т		R				Η
	12 S	Α	R	D	1	N	Е				C
¹³ O			Е		L		Α				R
1			Α				L				Т
L			D		14 F	1	s	Н			

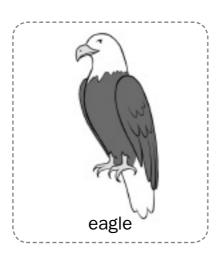
Guess the animal

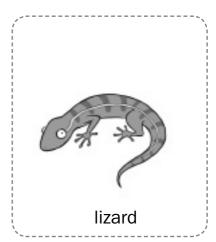










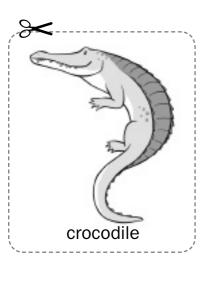


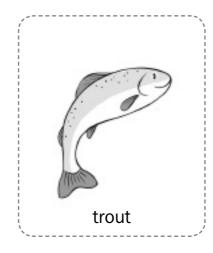
Play the game

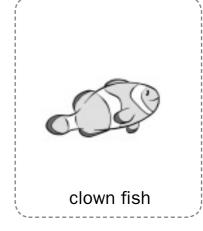
- 1. Students work in pairs. Give each pair a copy of the animal cards. They cut them out and place the pack face down on the table.
- 2. They take turns to pick a card, without showing it to their partner. Their partner asks 'Yes / No' questions to guess the animal.
- 3. Establish the rule that they cannot say the name of an animal until their partner has asked a minimum of four questions.

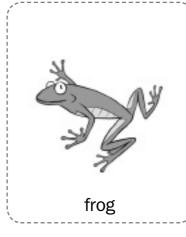
For example:

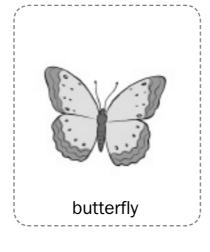
Is it a carnivore / herbivore?
Is it viviparous / oviparous?
Is it a fish? / Has it got scales?
Is it orange and white?
Is it grey?
Is it big / small?
Is it a trout?

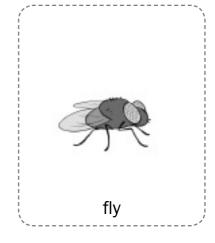


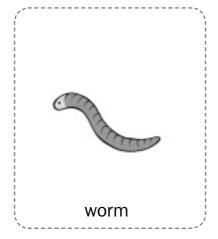


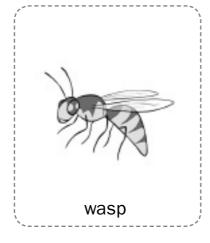


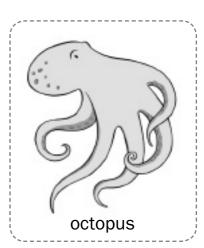




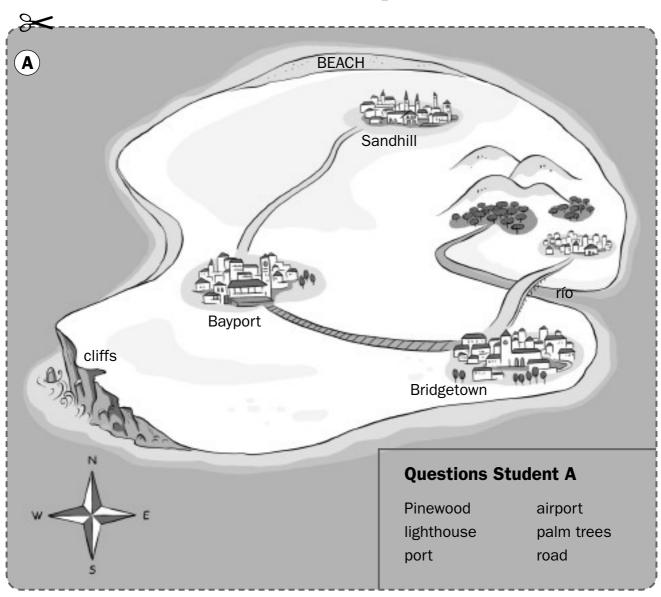






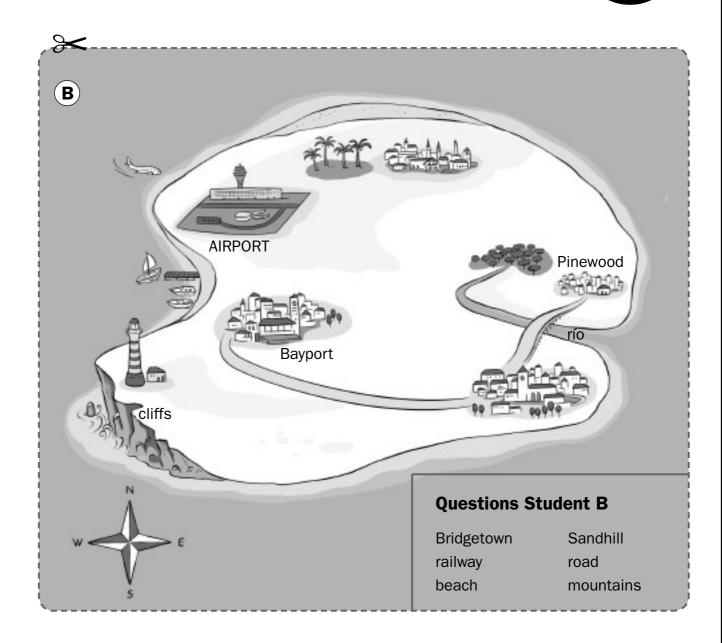


Island map



Play the game

- 1. Students work in pairs. Give each student a photocopy of map A or B. They cut out the maps with their corresponding question prompts.
- 2. Explain that Bayport, Pinewood, Bridgetown and Sandhill are towns.
- 3. Students take turns to ask and answer questions to complete their maps. They draw in the missing elements.



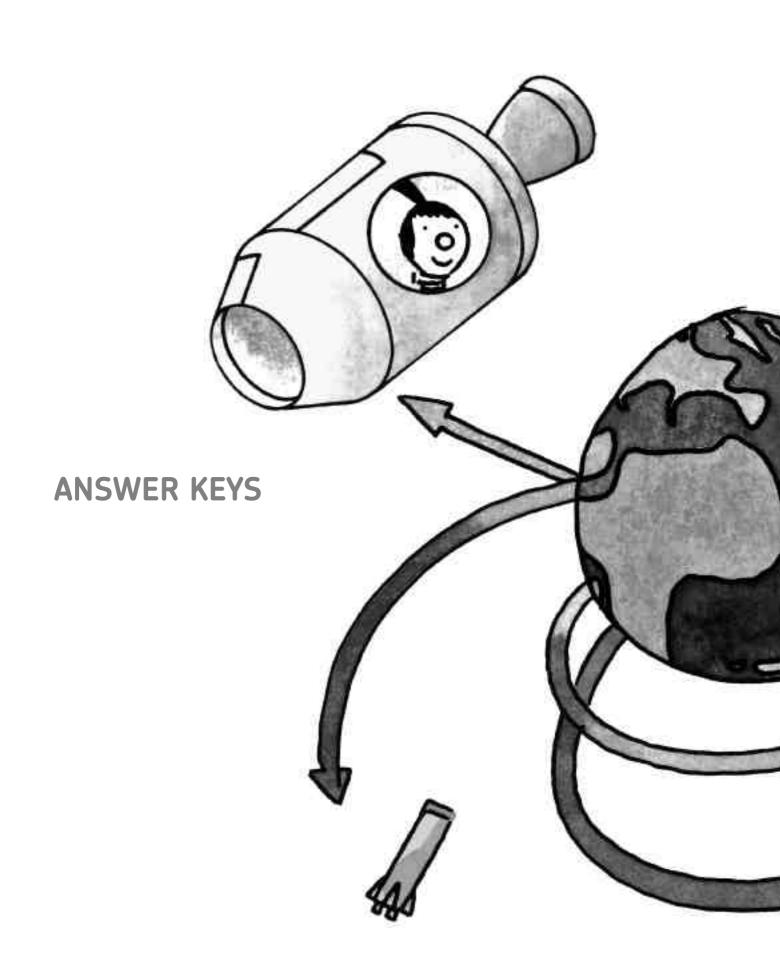
- 4. Encourage them to say the compass points, and to use prepositions such as *between*, *near*, *next* to, etc.
 - For example:

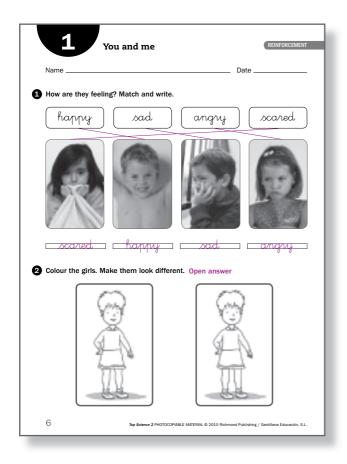
SA: Where's Pinewood?

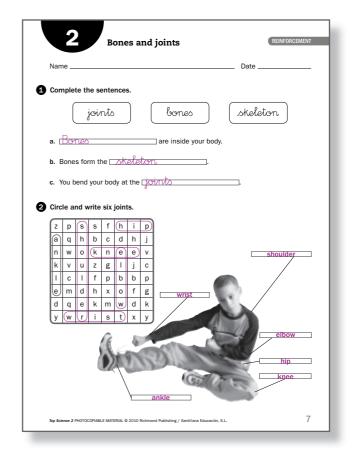
SB: It's in the East. It's near the bridge.

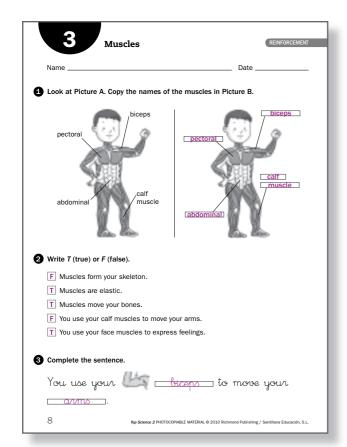
SA: Thanks.

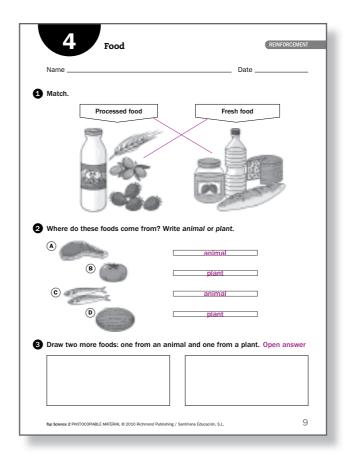
5. When students have finished, they compare their maps to see if they are identical.

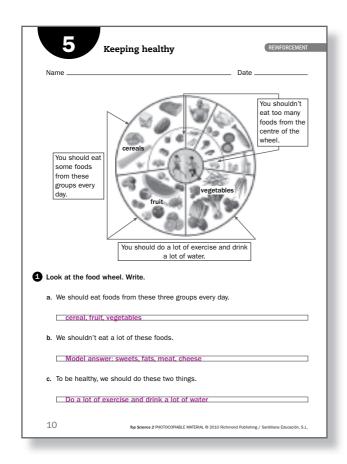


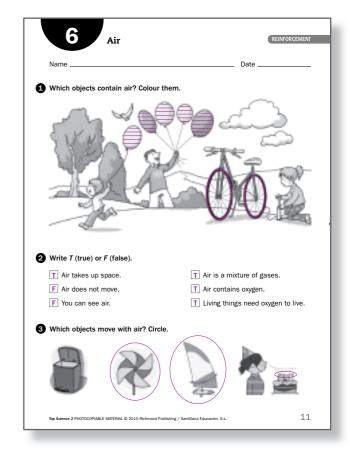


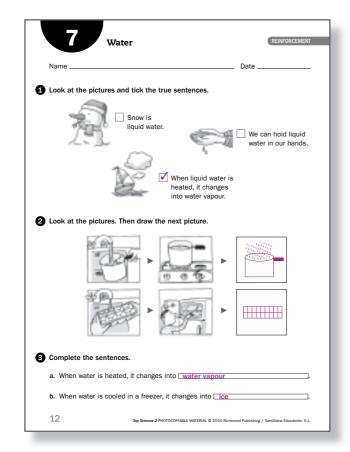


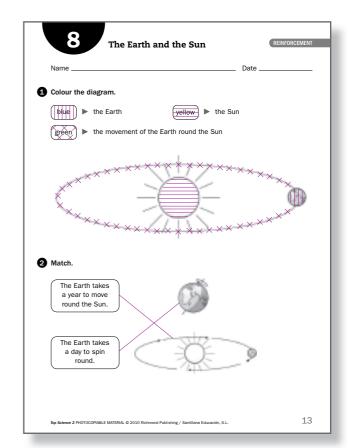


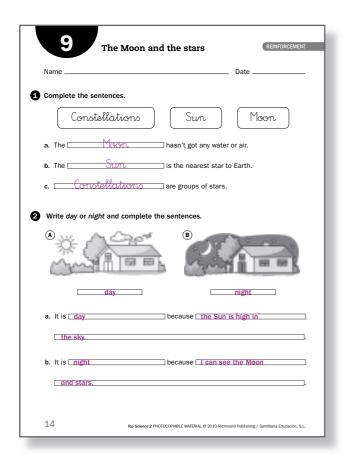


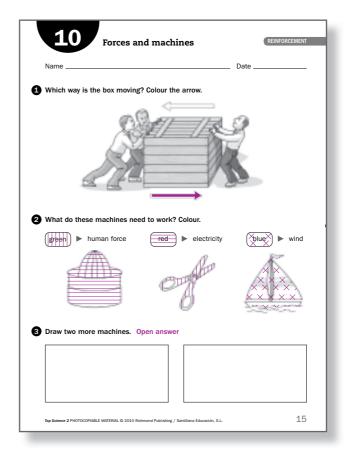


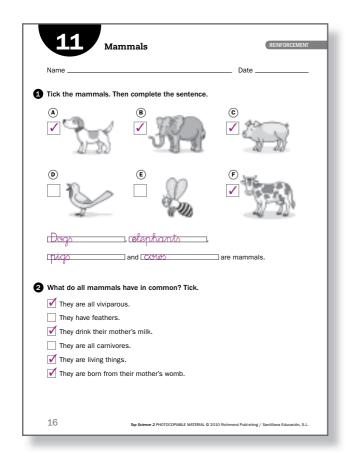


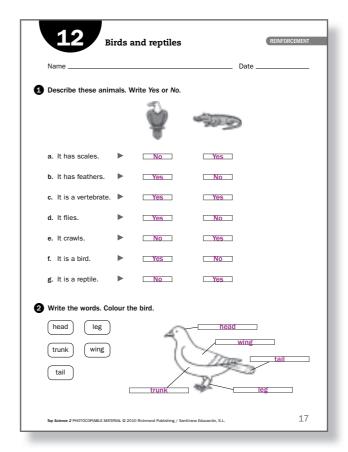


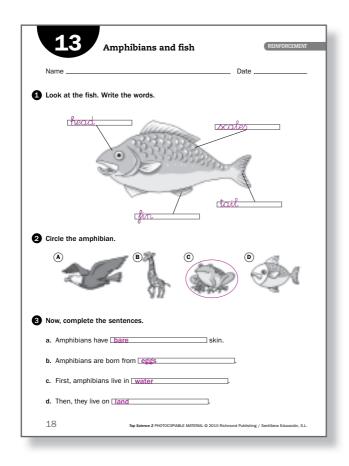


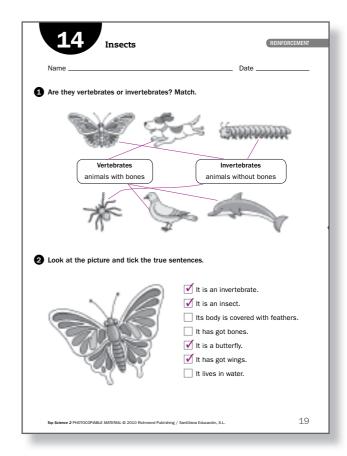


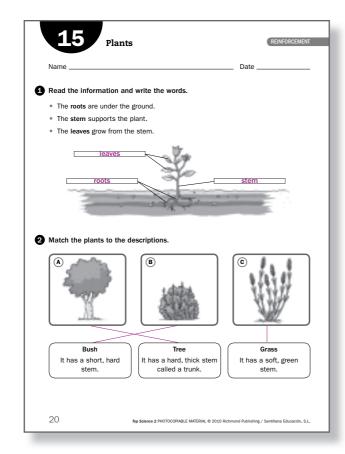


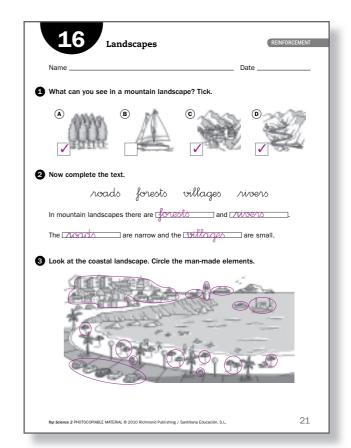


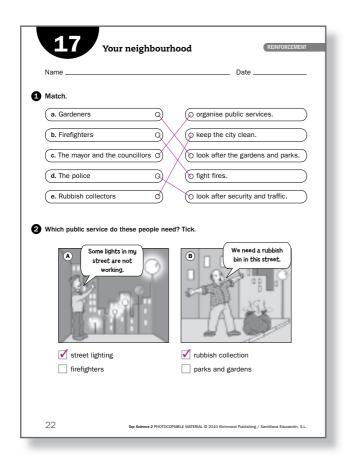


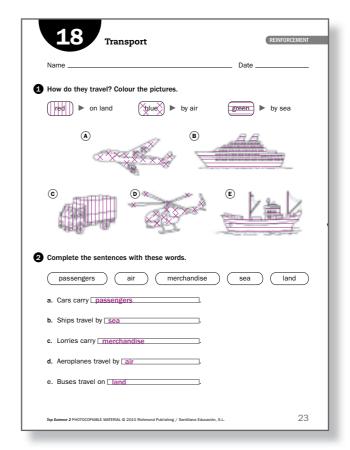


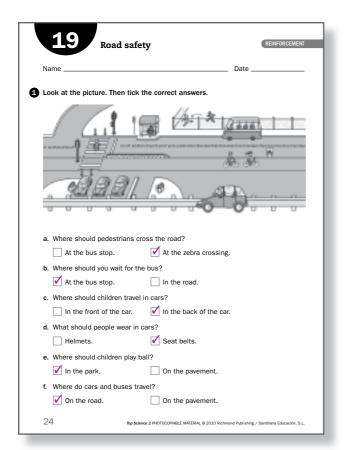


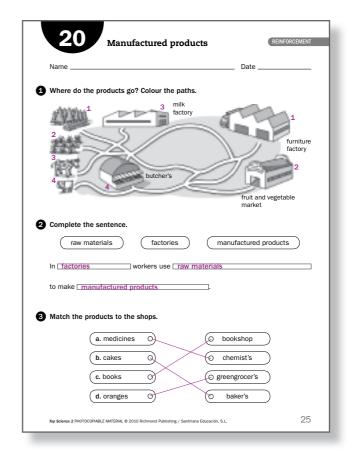


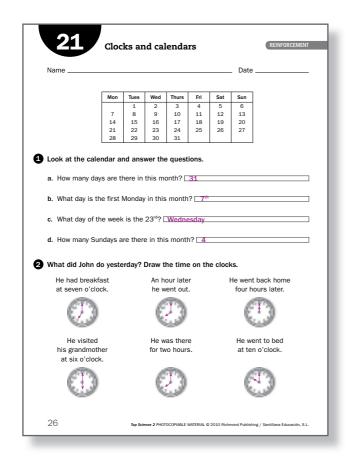


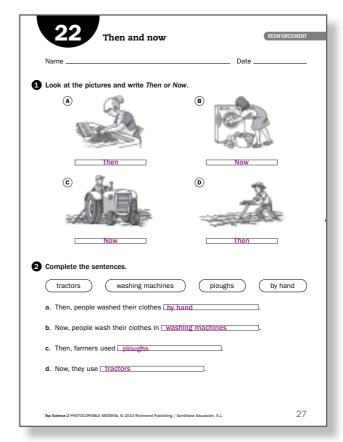


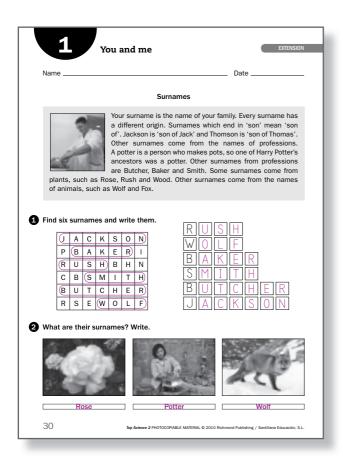


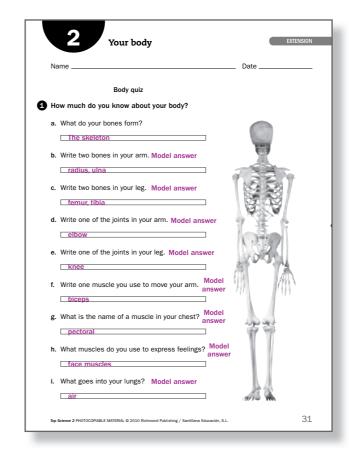


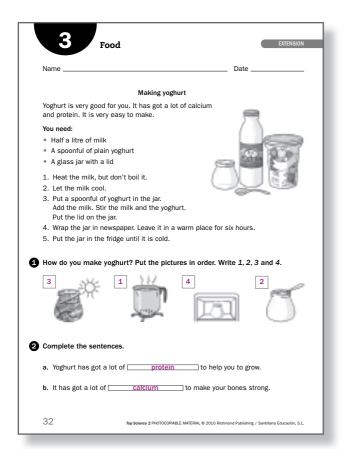


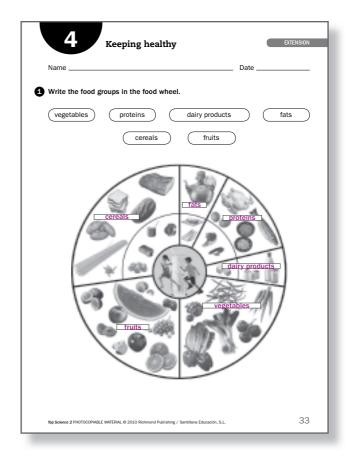


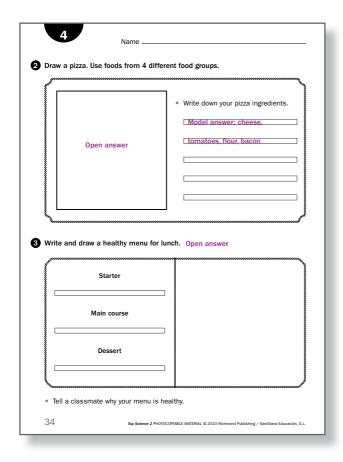


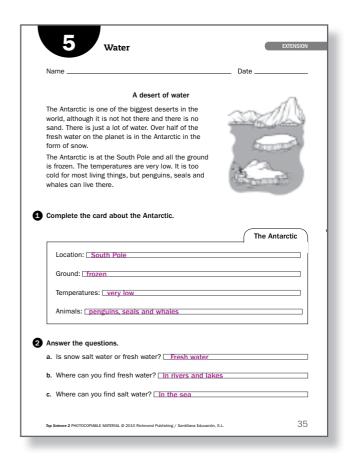


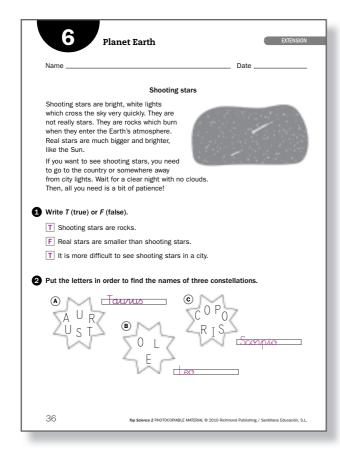




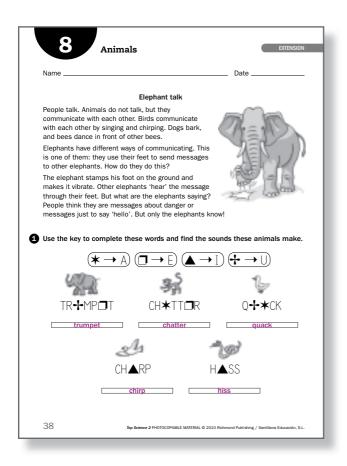


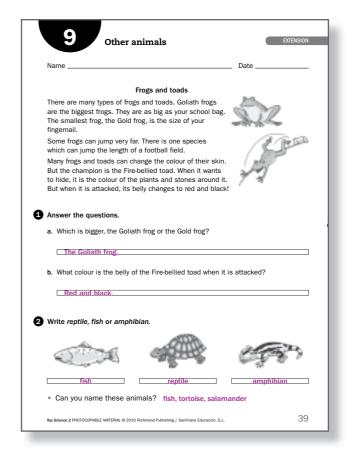


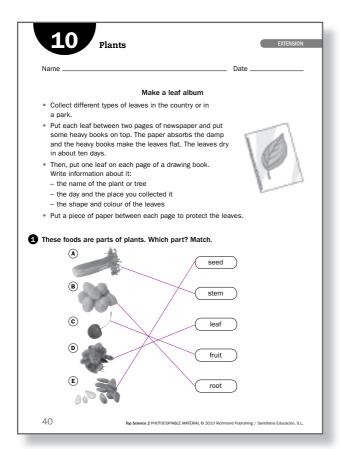


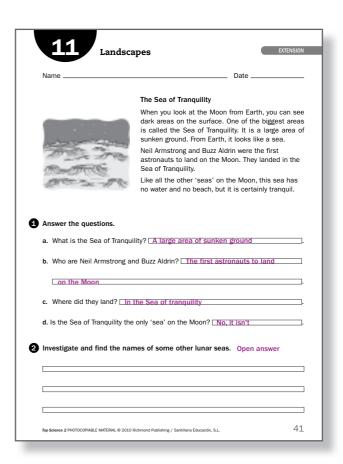


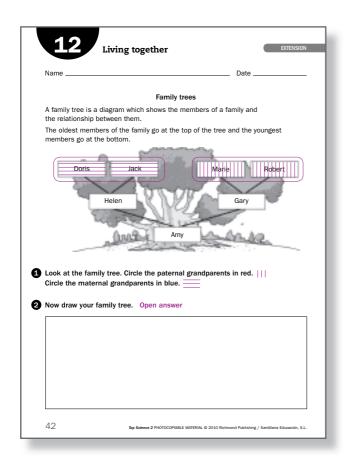


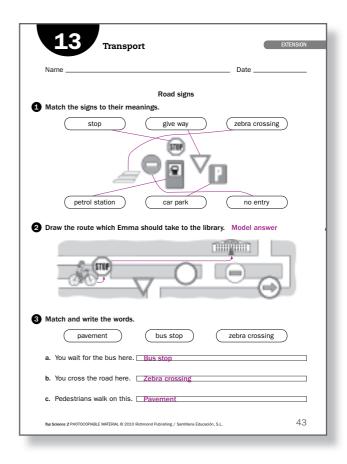


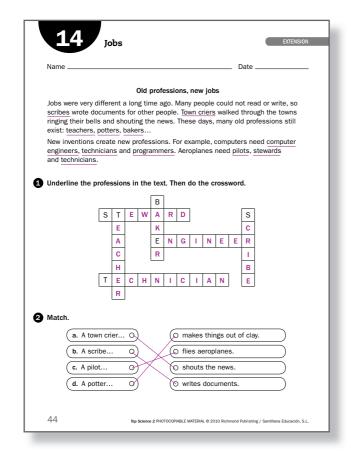


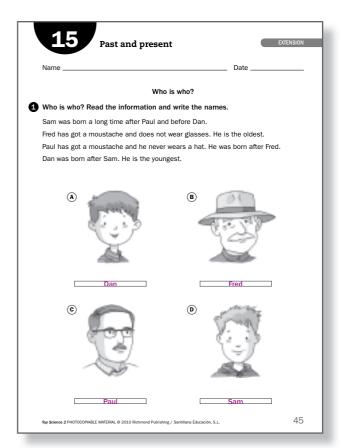




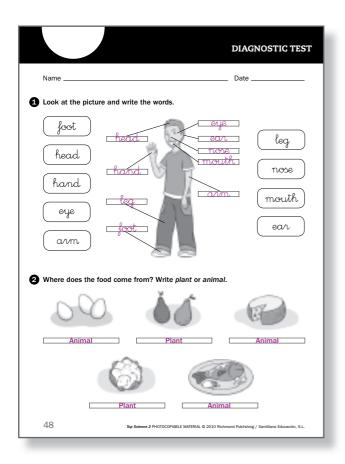


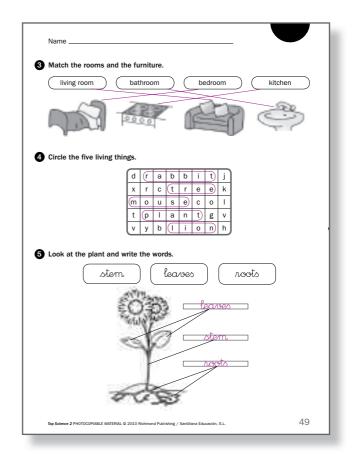




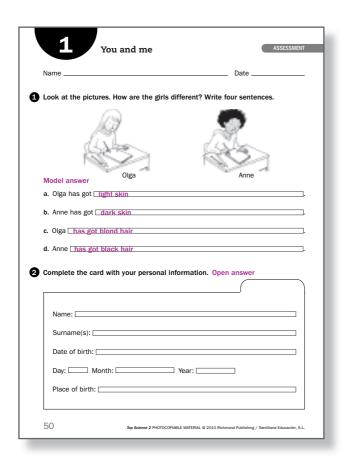


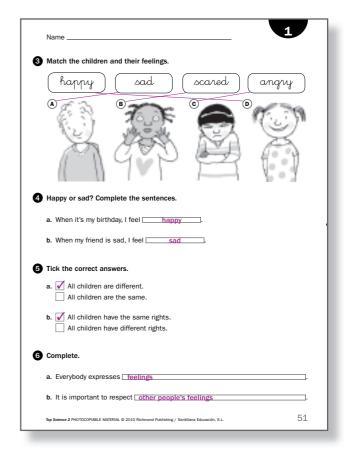
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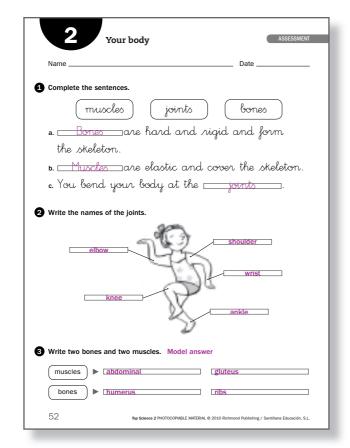


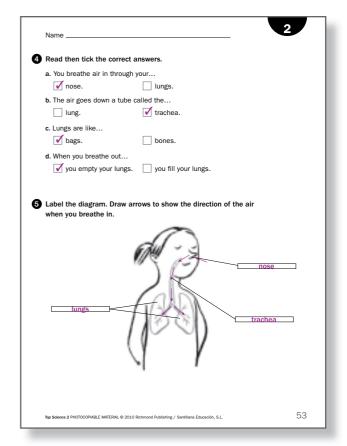


Unit assessment

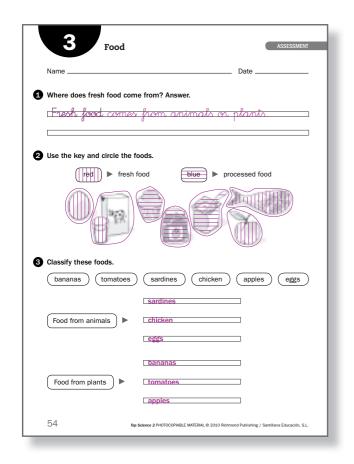




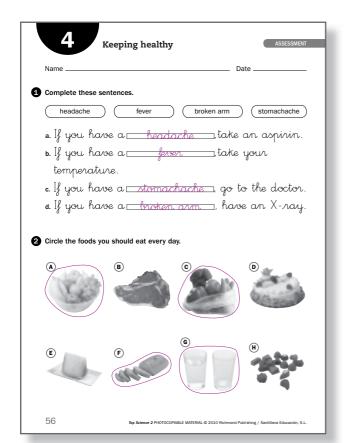


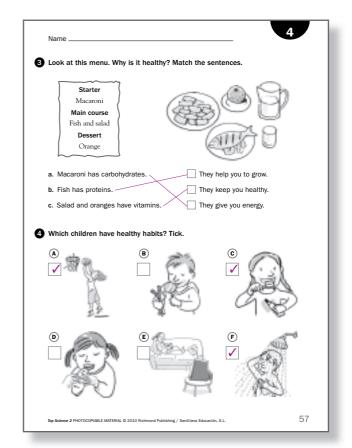


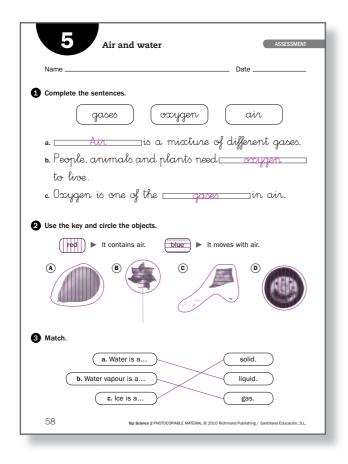
Unit assessment

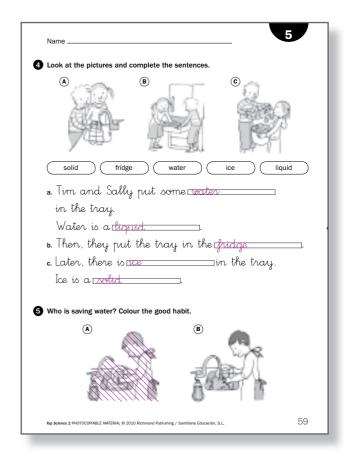


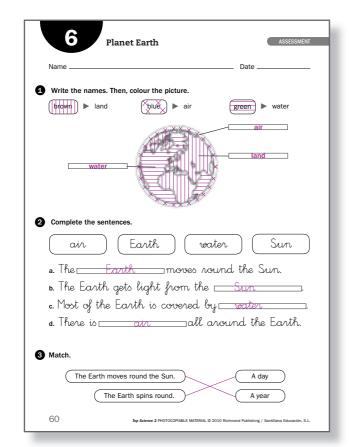


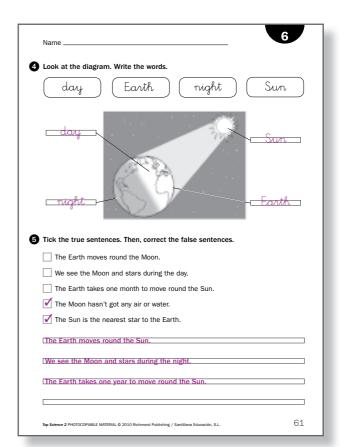


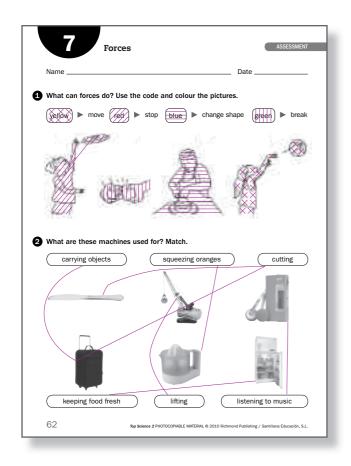


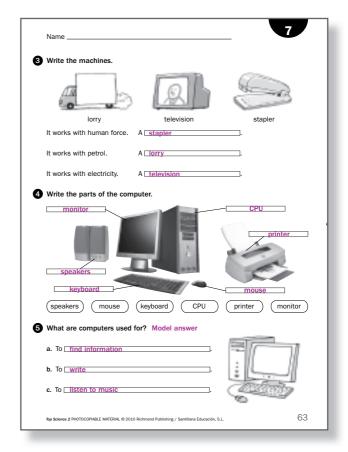


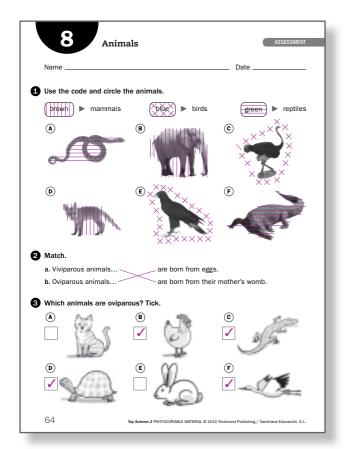


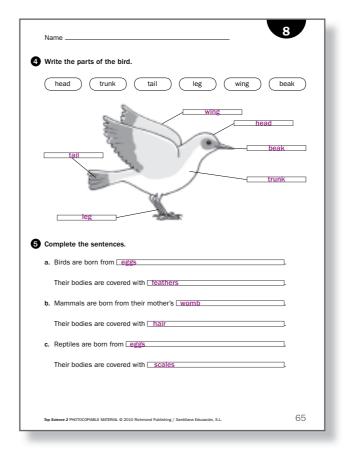


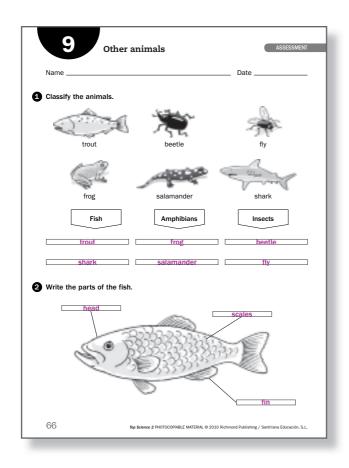


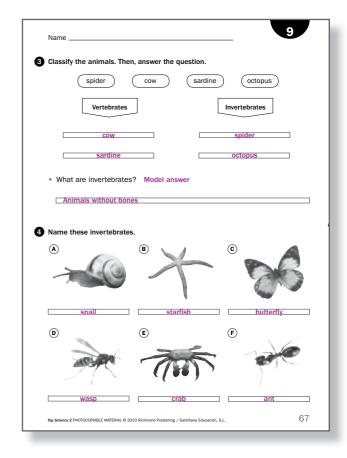


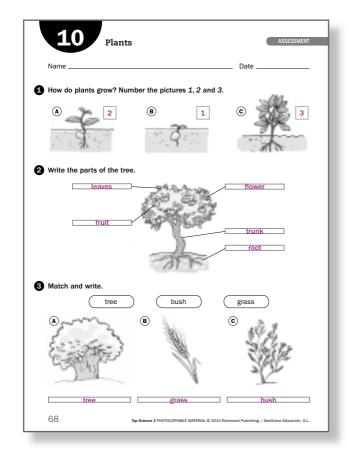


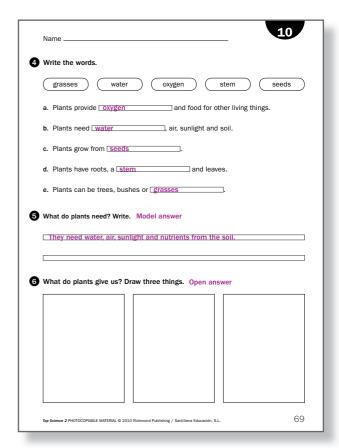


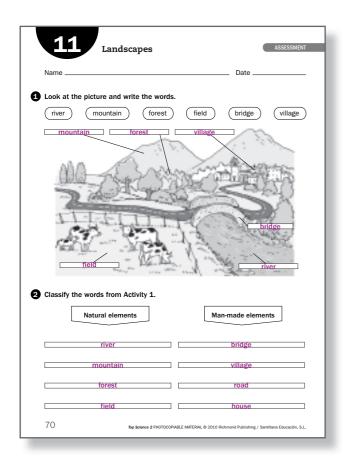


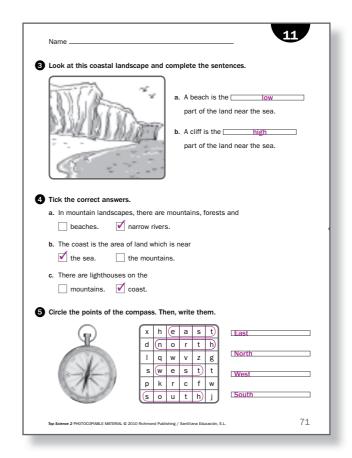


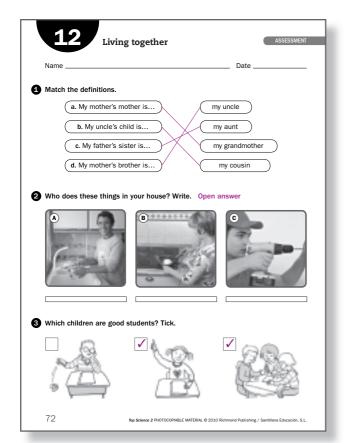


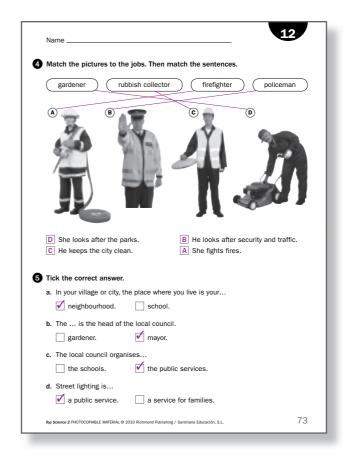


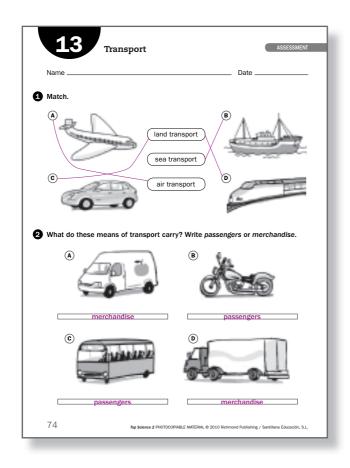


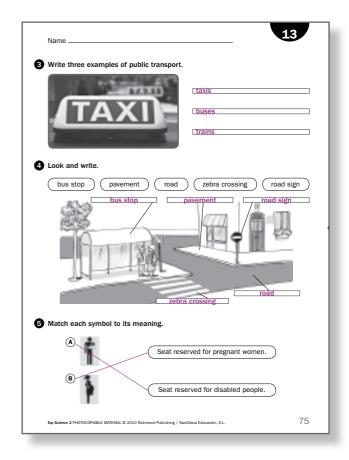


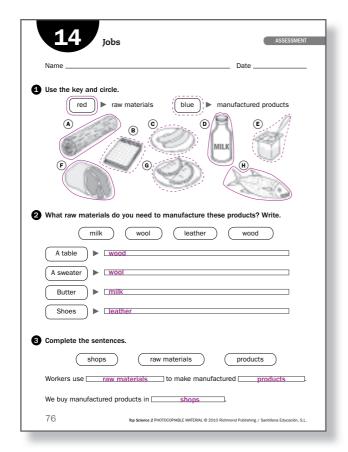


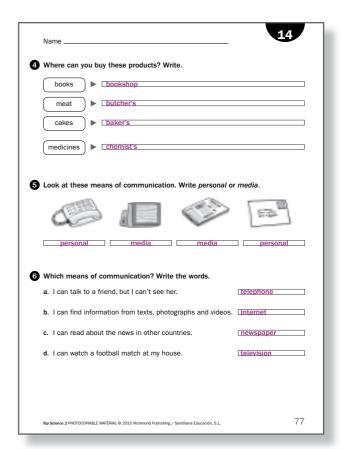


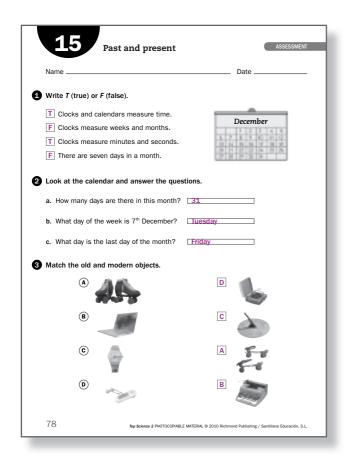


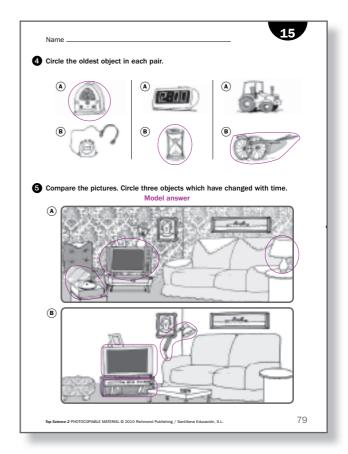




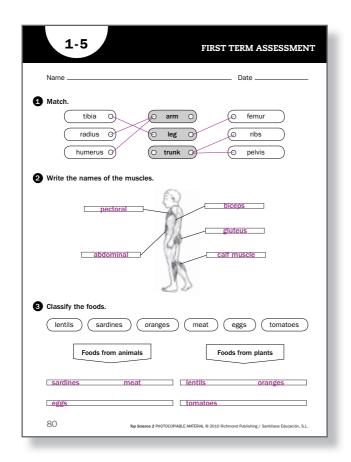


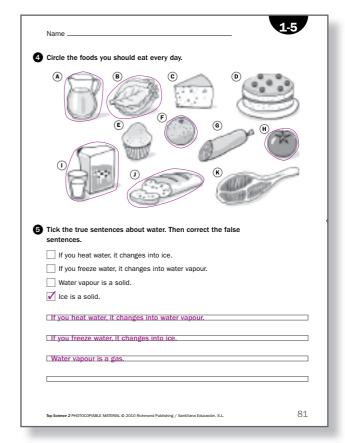




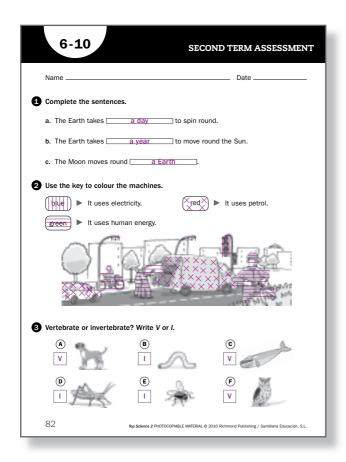


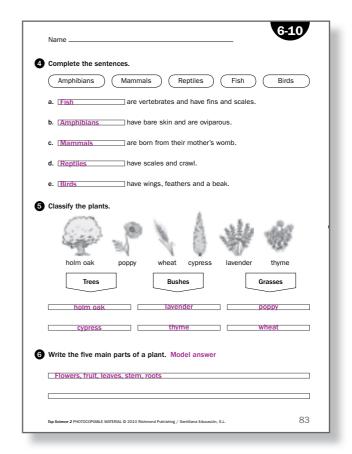
First term assessment



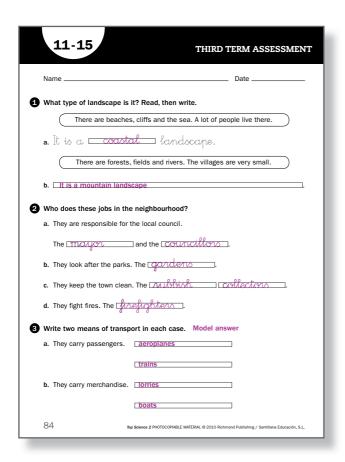


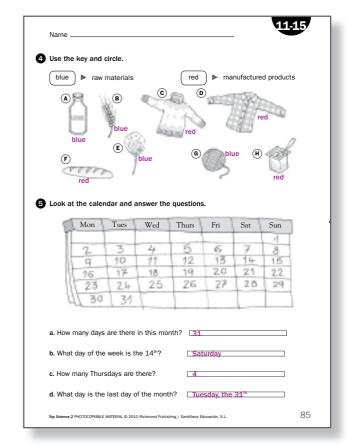
Second term assessment





Third term assessment





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