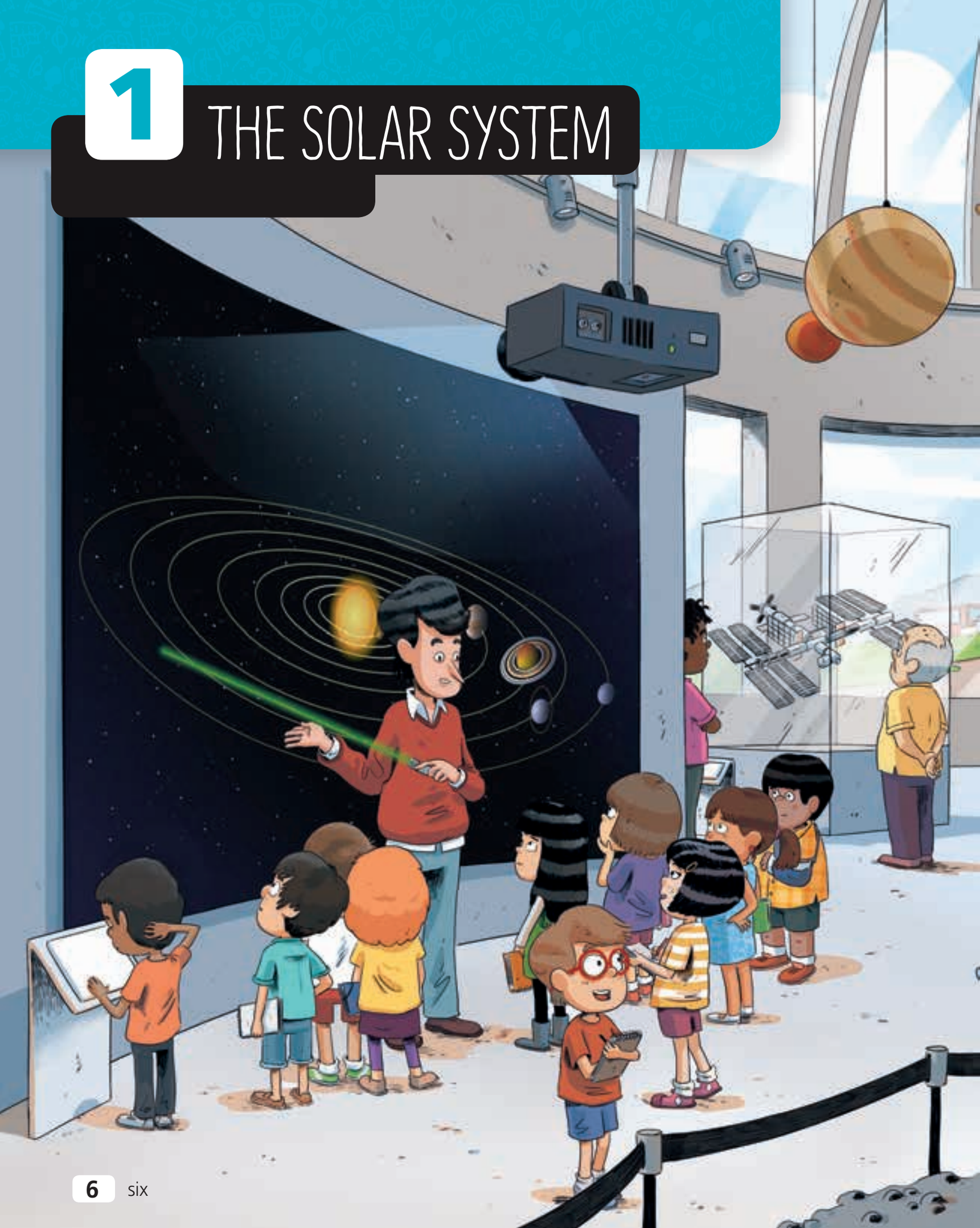
1 THE SOLAR SYSTEM



LET'S BEGIN

1 Look at the picture. Find Sam. What is he looking at?

2 What is at the centre of the Solar System?

3 Look at the picture. Who is not paying attention? Circle.

4 Listen to the *Planets* song. Circle the words you hear.

Sun

Earth

astronaut

Moon

telescope

spaceship

5 Sing the song and do the actions!

What do you know? Let's find out!

Language tips

Sam is looking at the ...

Story

Which planet?

Listen, look and act out.

1

2

3

4

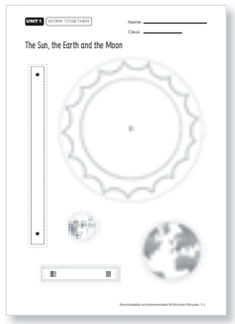
1 Listen and tick the correct photo.

Work together

The Sun, the Earth and the Moon

Make a model of the Sun, the Earth and the Moon.

Materials:



1 Make your hypothesis.

Draw a picture of the Sun, the Earth and the Moon.
Draw arrows to show how they move.

2 Make a plan.

a. Colour and cut out the Sun, the Earth and the Moon.
b. Cut out the two strips of paper on your template.
c. Connect your Sun, Earth and Moon to show how they move.

3 Develop conclusions.

The Earth moves around the **Moon** / **Sun**.

4 Test your hypothesis.

Read the sentences and tick.

- [ ] My picture and model show the same movements.
- [ ] My model shows how the Earth moves.
- [ ] My model shows how the Moon moves.

Evaluate your cooperative learning.

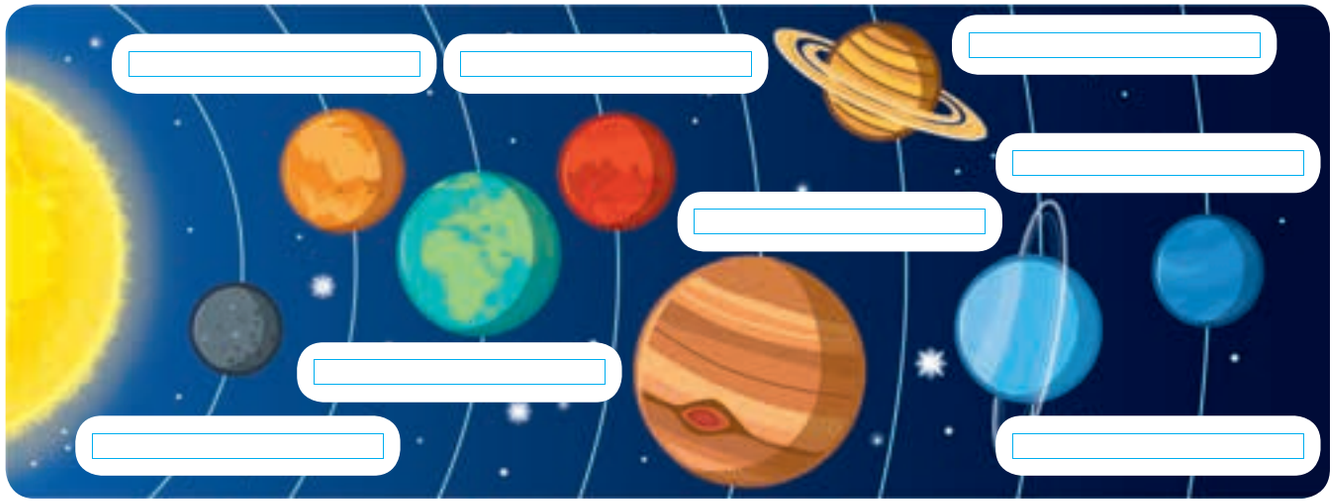
Eight planets

The Sun is a star and it is at the centre of the Solar System. There are eight planets in the Solar System. All the planets move around the Sun. This movement is called revolution.

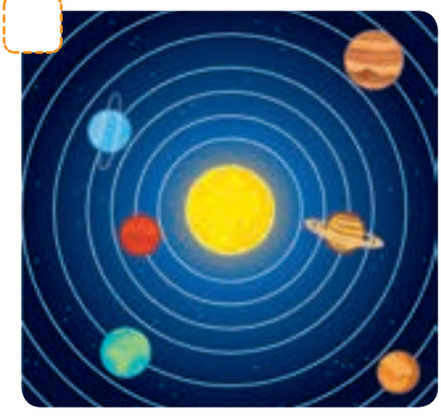
What is Lucas pointing at?

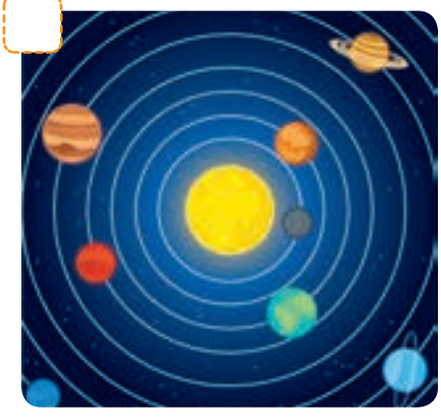
1 Listen and label the planets.

Mars Jupiter Neptune Venus Earth Uranus Mercury Saturn



2 Tick the correct picture.





The planets move around the Sun

Planet Earth takes 365 days, or one year, to complete one revolution around the Sun. A planet takes less time to go around the Sun if it is closer and more time if it is farther.

How long does it take the Earth to complete one revolution?

Language tips

It takes the Earth ... to complete one revolution.

1 Complete the chart.

Planet	Time to go around the Sun
Mercury	88 days
Venus	226 days
Earth	
M	2 years
J	12 years
S	29 years
U	84 years
N	165 years

The four seasons

The Earth takes one year to complete one revolution around the Sun. There are twelve months in a year and four seasons: spring, summer, autumn and winter.

In which season do flowers grow on plants?

Language tips

Flowers grow on plants in ...

1 Listen and write the seasons.

spring winter summer autumn

2 Match.

spring summer autumn winter

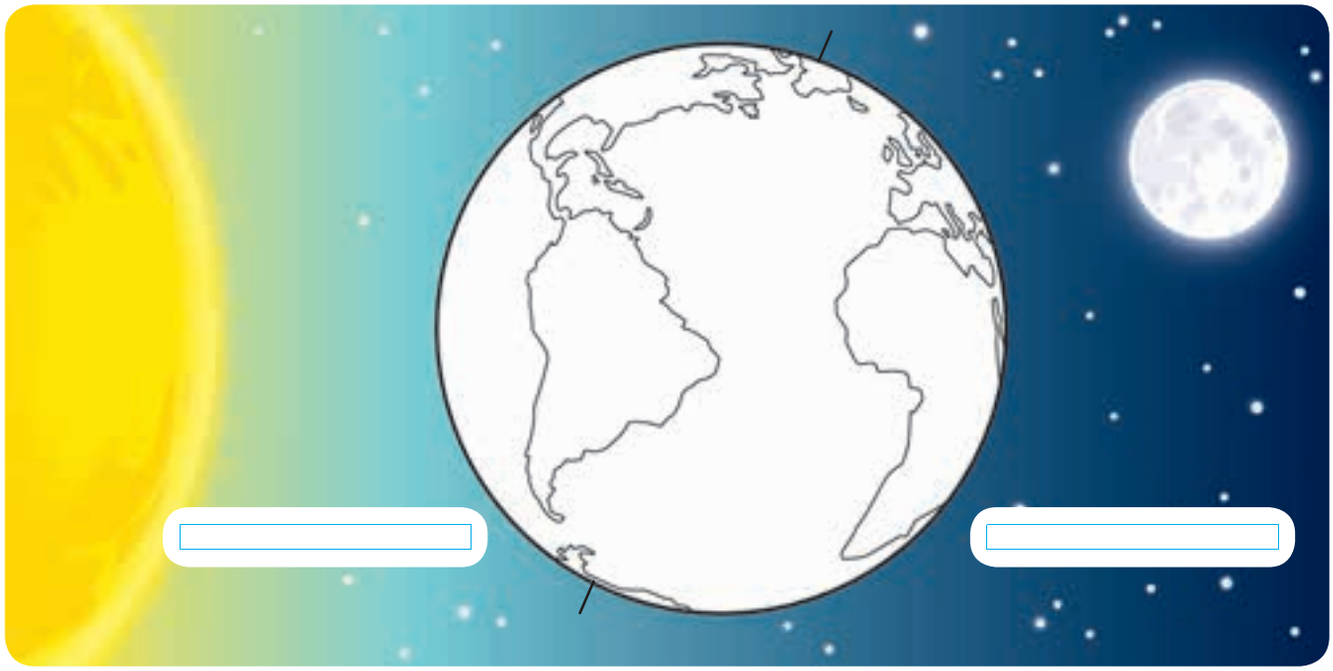
Day and night

The Earth is always turning on its axis. This movement is called rotation and takes 24 hours. It produces day and night. It is day when Earth is facing the Sun and night on the other side.

Project

What is solar energy? Find out more when you do the Project!

1 **Write *day* and *night*. Colour the Earth light and dark.**



2 **Listen to the *Time* chant and write the numbers.**

a A day has ____ parts: morning, afternoon, evening and night.

b There are ____ hours in a day.

c There are ____ minutes in an hour.

d There are ____ seconds in a minute.

Movement of the Moon

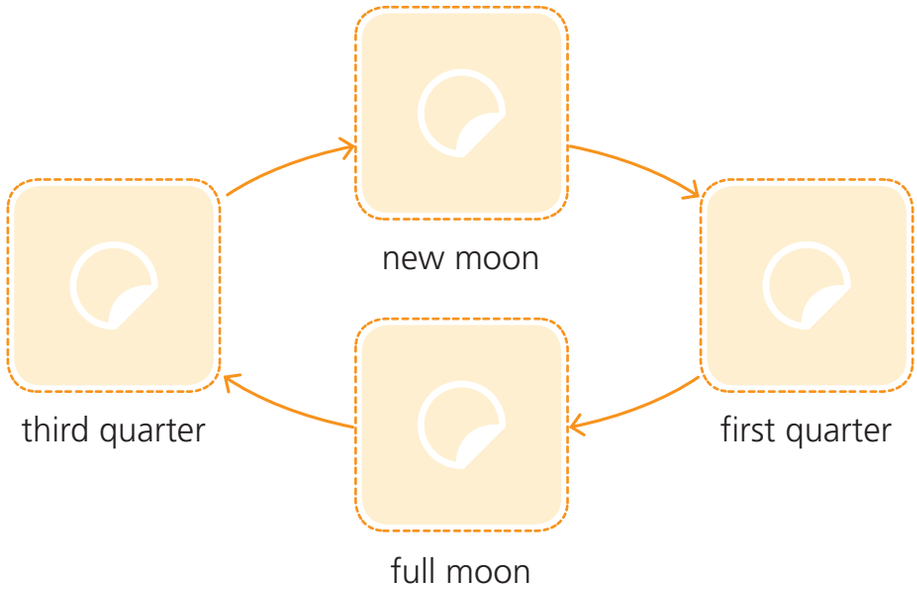
A satellite is an object which moves around a planet. The Moon is a satellite because it moves around the Earth. The Sun lights up the Moon, which looks like it changes shape. These different shapes are called the phases of the Moon.

What is the Earth's satellite called?

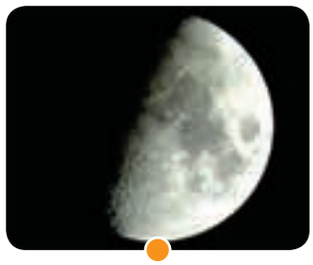
Language tips

The Earth's satellite is called the ...

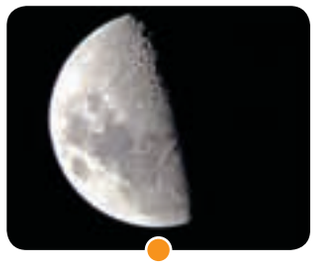
1 **Listen and find the stickers.**



2 **Match these phases of the Moon. Which phase is missing?**



first quarter



full moon

third quarter

Look after your planet

1 Listen and colour. Use the code.

good for the planet bad for the planet

2 Talk to your partner about how you look after the planet.

a Do you use the bus?
b Do you dry your clothes outside?
c Do you leave rubbish in public places?
d Do you use plastic bags?
e Do you plant trees?

Language tips

Yes, I do. /
No, I don't.

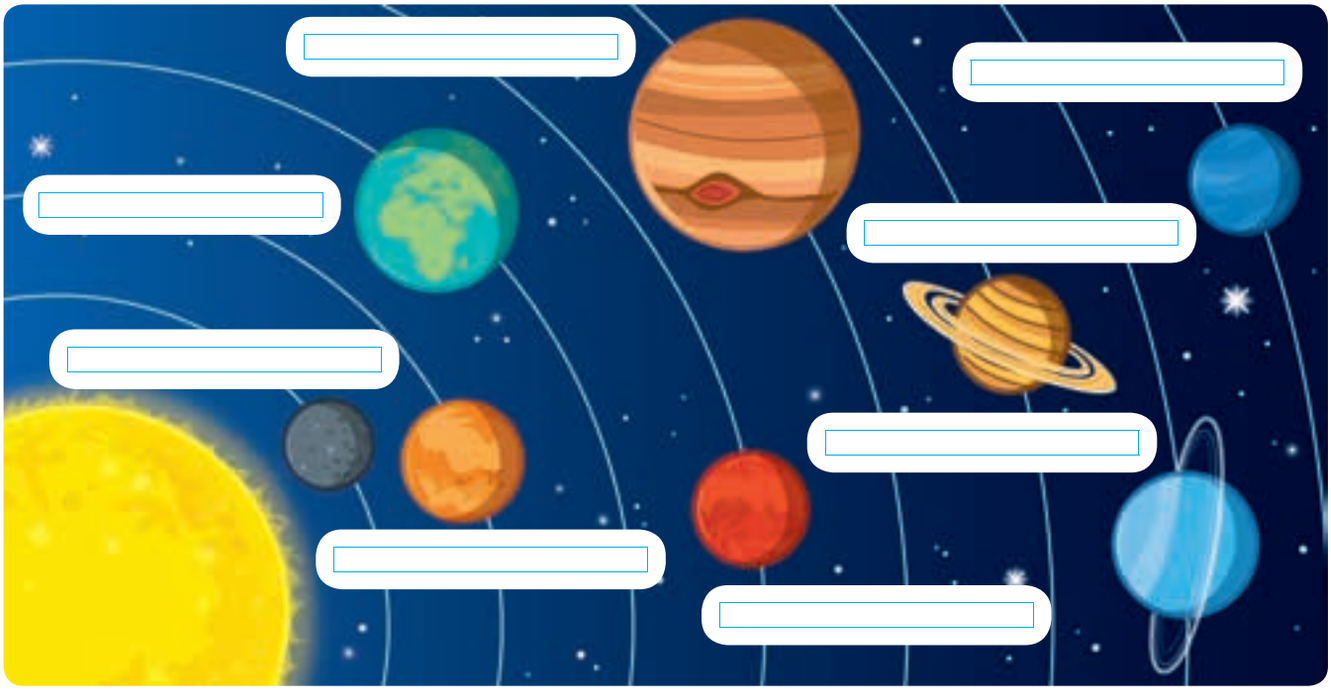
3 What else can you do to look after the planet?

REVIEW

1 Look and find the words.

s	s	t	a	r	s	q	s	s	l
d	a	p	m	e	r	a	b	u	d
h	g	t	r	j	r	q	f	n	d
i	w	i	e	u	n	j	f	o	s
w	b	l	l	l	c	u	h	b	a
k	y	a	v	s	l	p	w	s	t
m	f	q	v	p	m	i	u	u	u
c	o	l	n	c	b	t	t	m	r
z	u	o	h	t	j	e	r	e	n
a	b	m	n	a	t	r	j	e	f

2 Label the planets.



3 Write the numbers. Answer the questions.

day ☐ night ☐ Moon ☐ Earth ☐ Sun ☐

a What do you call the movement of the Earth around the Sun?

b What do you call the movement which causes day and night?

c How many days does one revolution of the Earth take?

d How many hours does one rotation of the Earth take?

4 Draw the phases of the Moon.

new moon	first quarter	full moon	third quarter

What do you know now? Check!