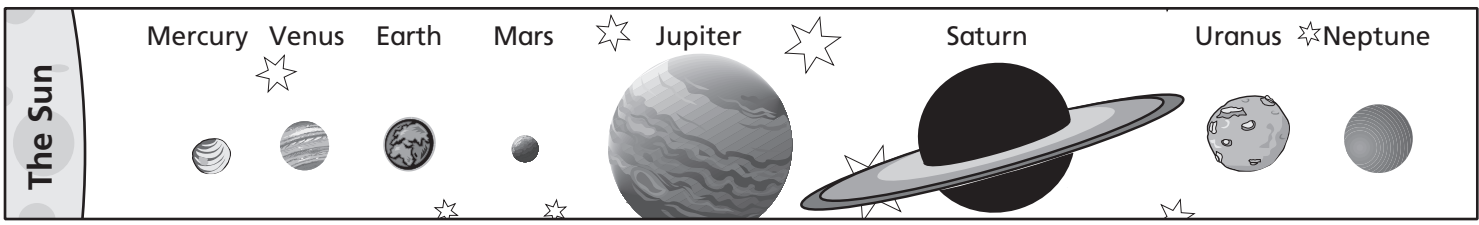


SCIENCE
The Solar System.

1 Read and complete.



The Solar System consists of the Sun, eight planets, comets, asteroids and meteoroids.

- 1 _____ is the second planet from the Sun and is very bright. _____ is a very hot planet.
- 2 _____ is the fifth planet from the Sun. _____ is a very big planet.
- 3 The _____ is the third planet from the Sun and the planet we live on. The _____ has got one moon.
- 4 The _____ is the star at the centre of the Solar System. The _____ produces a lot of energy. This energy is heat and light.
- 5 _____ is the sixth planet from the Sun. _____ has got beautiful rings.
- 6 _____ is the seventh planet from the Sun. _____ has got 27 moons.
- 7 _____ is the eighth planet from the Sun. _____ has got 13 moons.
- 8 _____ is the fourth planet from the Sun. _____ is much smaller than the Earth. _____ has got two very small moons. _____ is called the 'red planet'.
- 9 _____ is a planet very close to the Sun. _____ hasn't got an atmosphere.

2 True or false?



- 1 Mercury is far from the Sun. _____
- 2 The Earth has got one moon. _____
- 3 Mars is called the 'red planet'. _____
- 4 Uranus is the fifth planet. _____
- 5 Neptune has got thirteen moons. _____

3 Answer.

- 1 What is the name of the star at the centre of the Solar System? _____
- 2 Which planet do we live on? _____
- 3 Which is bigger, Mars or the Earth? _____
- 4 How many moons has Uranus got? _____
- 5 Has Saturn got beautiful rings? _____



The Solar System.



Aim

- To study the Solar System.

Language focus

Key vocabulary: *the Sun, planet, comets, asteroids, meteoroids, Mercury, Venus, the Earth, the Moon, Mars, Jupiter, Saturn, Uranus, Neptune, hot, big(ger), small(er), rings, moons, first, second, third, fourth, fifth, sixth, seventh, eighth.*

Key language: *The Sun is the star at the centre of the Solar System. Mercury hasn't got an atmosphere. Venus is the second planet from the Sun. Mars is smaller than the Earth. Mars is called the 'red planet'.*

Materials

- (Optional) Pieces of card/paper.
- Worksheet.

the answer or in the *I think* column if they aren't sure, eg:

I know (✓)	I think (?)
Jupiter is a big planet.	There are nine planets in the Solar System.

- Encourage the pupils to compare their answers.
- Ask the pupils to look at the illustration of the Solar System and write the names of the planets in the spaces in Activity 1.
- Read the text with the class and explain the meaning of the new words. Are the sentences they wrote in their notebooks correct or not?

Answers: 1-Venus; 2-Jupiter; 3-Earth; 4-Sun; 5-Saturn; 6-Uranus; 7-Neptune; 8-Mars; 9-Mercury

Activity 2

- Ask the pupils to read the sentences in Activity 2 and decide if they are true or false. Encourage them to correct the false sentences.

Answers: 1-False. Mercury is close to the Sun. 2-True. 3-True. 4-False. Uranus is the seventh planet. 5-True

Warm-up

- Ask the pupils to look out of the window. Divide the board into two halves. Invite some pupils to draw on one half of the board what they can see in the sky during the day, eg, *the Sun, clouds, birds, rainbow, rain, planes.* On the other half ask other pupils to draw what they can see at night, eg, *the Moon, stars, planets, planes.* Write and check that pupils understand *the Sun, the Moon, stars, planets.*

Completing the Worksheet

Activity 1

- Write *The Solar System* on the board. Divide the board into two halves. In one half write *I know* (✓). In the other half write *I think* (?). Explain the difference between *I know* and *I think*. Ask the pupils to do the same in their notebooks. Teach them the names of the planets. Ask the pupils questions like *How many planets are there in the Solar System? Which is a big planet? Which is a hot planet? Which is a small planet?* Encourage all the pupils to answer your questions and write sentences in the *I know* column if they know

Extension activity

Card game

Arrange the pupils in small groups. Give each group nine small pieces of card or paper. Tell the groups to write the names of the eight planets and the Sun on the cards (one on each card). Then ask one of the pupils in each group to be the referee. Explain that only the referee can look at the worksheet. The referee shuffles the cards and places them face down in the middle of the table. The pupils take turns to pick up a card and make a sentence using the word written on it. If the sentence is correct, they keep the card. If the sentence is incorrect, they put the card back on the table. The referee decides if the sentence is correct or not. Make it clear that for this game, the sentences are correct as long as the information is correct (even if the language is not perfect).

Activity 3

- Read the questions in Activity 3 with the class. Pupils answer individually (encourage them to write full sentences).

Answers: 1-The star at the centre of the Solar System is the Sun. 2-We live on the Earth. 3-The Earth is bigger than Mars. 4-Uranus has got 27 moons. 5-Yes, Saturn has got beautiful rings.

Extension activity

Project

- Ask the pupils to draw and colour a picture of the Solar System in their notebooks and label it with the names of the planets. Encourage them to give their picture a title and to write some more information about the planets.
- Put the projects up on the classroom wall and ask the pupils to vote for their favourite project for each of the following categories: the best pictures, the best handwriting and the most interesting information.