

1 Do the crossword.

The crossword puzzle grid is as follows:

Clues and starting letters:

- 1 Across: S
- 2 Down: P
- 3 Across: S
- 4 Down: L
- 5 Across: A
- 6 Down: S

Across

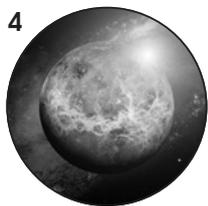
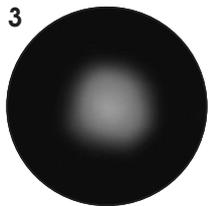
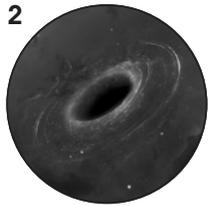
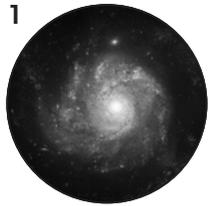
- 1 A place far from the Earth's atmosphere.
- 3 It orbits planets and sends pictures and information to Earth.
- 5 All the gases in a planet.

Down

- 2 Earth and seven others in our solar system are this.
- 4 To go down to the ground or water after a journey in a plane or spaceship.
- 6 A very bright star. The Earth orbits it.

2 Match the pictures with the descriptions. Draw lines between them. Write the correct words from the box.

black hole Saturn Jupiter supernova Mars extrasolar planet Venus



a It is a dark place. Gravity is very strong there and light cannot leave it.

b It is very far away and orbits a different sun to Earth.

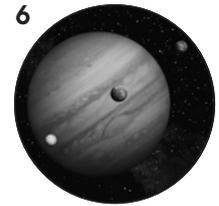
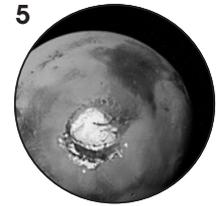
c It is the solar system's biggest planet, and 79 moons orbit it.

d It is a red planet. It is too cold and far from the Sun to live on.

e It is a planet with a lot of hot air, with ice and rocks orbiting it.

f What happens when a star dies. It teaches us new things about space.

g It is a planet near the Sun. It is too hot for things to live on.



3 Write true sentences with these words. Choose one option from each column.

Who	What	Where
Galileo Galilei	be / first astronaut in space	1969
Neil Armstrong and Buzz Aldrin	see / Jupiter's moons	1971
Russia	first astronauts / land / on the Moon	1961
Yuri Gagarin	build / first space station	1610

- 1
- 2
- 3
- 4

4a Write EP (*extrasolar planet*), M (*moon*), S (*spaceship*), ST (*space station*) or T (*telescope*).

- | | | |
|-------------------|---------------------|--------------------|
| 1 Chandra | 6 Hubble | 11 Proxima b |
| 2 COROT-7b | 7 Io | 12 Salyut 1 |
| 3 Enceladus | 8 ISS | 13 Skylab 1 |
| 4 Galileo | 9 Kepler-186f | 14 Vostok 1 |
| 5 Ganymede | 10 Orion | 15 Webb |

4b Answer the questions. Use words from Exercise 4a.

- 1 Which is the biggest moon in the solar system?
- 2 Which is Saturn's brightest moon?
- 3 Which is the nearest extrasolar planet to Earth?
- 4 Which was the first important telescope to be sent into space?
- 5 Which space station stayed in space the longest?
- 6 Which was the first spaceship in space?

5 Read about a job on a spaceship to Mars. Write an email to the ESA.

Astronauts wanted for Mars

Would you like to go to Mars?

Are you strong and well?

Could you leave your friends and family for three years?

Could you do lots of different jobs on the spaceship?

Can you cook, clean, take photos, do experiments and write about them?

Sleeping, eating and moving are difficult in space because there is no gravity.

You cannot go out and you must stay in a small space with other people.

Could you live with that?

If the answer is yes, send an email to info@mission-tomars.ESA.int

To _____

Subject _____

Send

6 Imagine the ESA chose you and three other people to go to Mars. Write a list of things you need to take. Think about:

- sleeping when it is light outside
- staying warm, strong and happy
- making food
- talking or writing to friends and family at home

