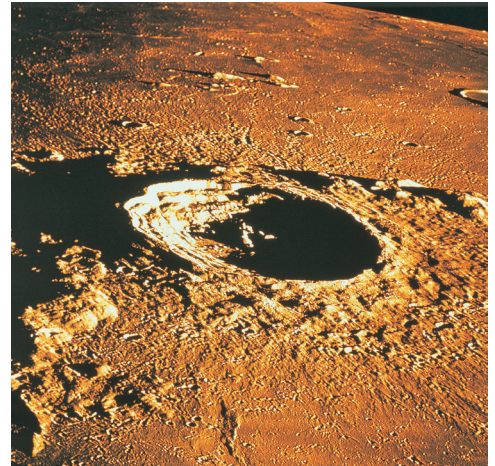


1 Complete the sentences with the words in the box.

galaxies space probes comets orbit craters

- 1 The Earth takes 365 days to complete an _____ of the Sun.
- 2 There are thousands of _____ on the surface of the Moon.
- 3 Spiral _____ have arms coming out of a circle.
- 4 _____, such as Hale-Bopp, are big lumps of snow and dust.
- 5 Unmanned _____ send pictures back to Earth.



2 Draw a picture of the Sun and the Earth on its axis. Use arrows to show how the Earth orbits the Sun. Write an information box and say how long it takes to complete an orbit and how long the Earth takes to spin on its axis.

3 Choose an astronomer, eg Edmund Halley, Copernicus or Galileo, or an astronaut, eg Gagarin, Shepard or Armstrong, and find out more about them and their work. Why did they become famous? Why do people still talk about them? Make a poster for a film about them.

4 Choose a, b or c to answer the questions.

- 1 Where is the nuclear energy that makes the Sun shine? _____
 a on its surface b at its core c on the dark side
- 2 What makes the Earth and the Moon orbit the Sun? _____
 a the Earth's gravity b the Sun's gravity
 c the Moon's gravity
- 3 How many days does it take the Earth to orbit the Sun? _____
 a 365 days b 88 days c 60,000 days
- 4 What is our galaxy called? _____
 a the Milky Way b the Solar System c the Universe
- 5 What do scientists call the explosion that they think made the Universe? _____
 a Halley's Comet b Apollo c the Big Bang

5 Read the sentences. Write T (true) or F (false).

- 1 Our Moon moves around the Earth. _____
- 2 The Earth is only a quarter of the size of the Moon. _____
- 3 Meteorites crashed into the Moon hundreds of years ago and made craters. _____
- 4 The light we see from the Moon is a reflection of some of the sunshine that falls on it. _____
- 5 Mars is called the Red Planet after the Roman god of war. _____

6 Order the events 1–3.

- _____ The Russian satellite *Sputnik 1* orbited Earth.
- _____ The space probe *Pioneer 10* sent back its final signal after flying for 30 years.
- _____ Copernicus showed that the Sun was in the centre of the Solar System.

7 Complete the sentences with the correct form of the verbs in brackets.

- 1 For 50 years, satellites _____ (take) photos of Earth.
- 2 The Moon's craters _____ (make) by meteorites.
- 3 A star is a ball of gas and dust which _____ (pull) together by gravity.
- 4 Since the invention of space probes, about 40 _____ (fly) near or landed on Mars.
- 5 No one _____ (be) on the Moon since 1972.

8 Complete the sentences with the correct form of the adjectives in brackets.

- 1 A year on Mars is nearly twice as _____ (long) as an Earth year.
- 2 Mars is much _____ (cold) than Earth.
- 3 Mercury is _____ (near) planet to the Sun.
- 4 Uranus and Neptune are much _____ (big) than Earth.
- 5 The _____ (famous) crater on Earth is in the USA.

9 Complete the sentences with the correct form of the verb: *-ing* or *to + infinitive*.

- 1 _____ (look) at the stars at night is the best way to understand how far away space is.
- 2 _____ (reach) space we have to escape from gravity.
- 3 Thousands of people apply _____ (be) an astronaut.
- 4 _____ (become) an astronaut you need to learn a lot about space flight.
- 5 Simulators show astronauts how _____ (work) in spacesuits.