

7L The solar system and beyond

Extension questions

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

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Answer the following questions:



Click mouse to reveal answer

- Q1. What is at the centre of the solar system?
- Q2. What do we call a huge ball of gas that emits light?
- Q3. What orbits a star and reflects the star's light?
- Q4. What orbits a planet? (Our moon is one)
- Q5. What do you call it when the moon casts a shadow on the Earth?
- Q6. What do we call the path of a planet around the Sun, or a satellite around a planet?
- Q7. What is a word that means to spin on its axis?
- Q8. Which planet is nearest the Sun?
- Q9. Name the hot planet with acidic clouds, second closest to the Sun?
- Q10. Name our home, the third planet from the Sun?
- Q11. Name the red planet with canyons, volcanoes and polar ice caps?
- Q12. Name a huge gassy planet with a giant red spot?
- Q13. Name a gassy planet with a spectacular ring system?
- Q14. Name the third largest planet in our solar system, seventh furthest from the Sun?
- Q15. Name a pale blue planet, the outermost of the gassy planets in our solar system?
- Q16. Name the planet that is usually furthest from the Sun?
- Q17. What do we call the small lumps of rock or metal that move around the Sun, mainly between Mars and Jupiter?

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Answers:

- A1. The Sun
- A2. Star
- A3. Planet
- A4. Satellite
- A5. An eclipse
- A6. Orbit
- A7. Rotate
- A8. Mercury
- A9. Venus
- A10. Earth
- A11. Mars
- A12. Jupiter
- A13. Saturn
- A14. Uranus
- A15. Neptune
- A16. Pluto
- A17. Asteroids

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multiple choice

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Click mouse to reveal answer

1: Which sentence is not correct ?

-
- A A planet orbits a satellite
-
- B Earth orbits the sun
-
- C A star emits light
-
- D Mars is a rocky planet
-

2: Which season is it when the northern hemisphere is pointing towards the sun ?

-
- A Winter
-
- B Autumn
-
- C Summer
-
- D Spring
-

3: Which is the largest planet in our own solar system ?

-
- A Mars
-
- B Earth
-
- C Pluto
-
- D Jupiter
-

4: An eclipse of the sun occurs when the following happens ?

-
- A Earth is in the moon's shadow
-
- B Moon is in the earth's shadow
-
- C Sun is in the moon's shadow
-
- D Moon is in the sun's shadow
-

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multiple choice

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1: Which sentence is not correct ?

A A planet orbits a satellite

B

C

D

2: Which season is it when the northern hemisphere is pointing towards the sun ?

A

B

C Summer

D

3: Which is the largest planet in our own solar system ?

A

B

C

D Jupiter

4: An eclipse of the sun occurs when the following happens ?

A Earth is in the moon's shadow

B

C

D

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literacy in science

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Answer all the questions below:

 [Click mouse to reveal answer](#)

1) Unscramble the following words:

yavgrit

lasor ystesm

siateltel

ilmky ywa

2) Make three sentences using the following nine words or phrases:

earth spins
earth's seasons
solar eclipse

own axis
are caused
moon passes

day
tilted axis
between sun / earth

3) Match the word or phrase with the right meaning:

Star

How planets move around the sun in an elliptical path

Moon

Orbiting every lunar month, this is Earth's natural satellite

Orbit

A mass of hydrogen gas emitting light and heat

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literacy in science

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Answer all the questions below:

1) Unscramble the following words:

gravity

Solar system

satellite

milky way

2) Make three sentences using the following nine words or phrases:

earth spins
earth's seasons
solar eclipse

own axis
are caused
moon passes

day
tilted axis
between sun / earth

3) Match the word or phrase with the right meaning:

Star

A mass of hydrogen gas emitting light and heat

Moon

Orbiting every lunar month, this is Earth's natural satellite

Orbit

How planets move around the sun in an elliptical path

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complete the sentence

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Place the right word or words to complete the sentence:



Click mouse to reveal answer

nine

jupiter

away

moon

earth

sun

mercury

spin

four

- The first three planets from the sun outwards are _____, Venus and Earth.
- The Earth spins on its axis. One full _____ takes a 24 hrs.
- _____ is the largest planet in the solar system.
- During our winter, the northern hemisphere is pointed _____ from the sun.
- The _____ orbits the Earth once a month.
- A solar eclipse is when the moon passes between the _____ and the sun.
- The _____ is a giant star containing hydrogen gas which emits light and heat energy.
- There are _____ phases Earth's year; autumn, winter, spring and summer.
- In our solar system there are _____ planets, the odd comet and many asteroids.

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complete the sentence

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Place the right word or words to complete the sentence:

nine

jupiter

away

moon

earth

sun

mercury

spin

four

- a) The first three planets from the sun outwards are Mercury, Venus and Earth.
- b) The Earth spins on its axis. One full spin takes a 24 hrs.
- c) Jupiter is the largest planet in the solar system.
- d) During our winter, the northern hemisphere is pointed away from the sun.
- e) The moon orbits the Earth once a month.
- f) A solar eclipse is when the moon passes between the Earth and the sun.
- g) The sun is a giant star containing hydrogen gas which emits light and heat energy.
- h) There are four phases Earth's year; autumn, winter, spring and summer.
- i) In our solar system there are nine planets, the odd comet and many asteroids.