

The Solar System

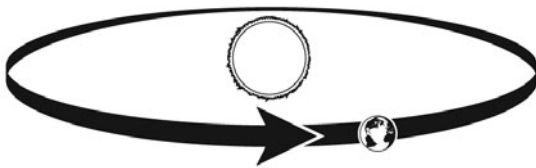
Vocabulary and Concepts

1 What is a planet?

- (A)** a group of stars that forms a pattern in the sky
- (B)** a large ball of hot gases that gives off heat and light
- (C)** a large ball of rock or gas that moves around the sun

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2 This picture shows the path Earth takes as it moves around the sun.



What is the path called?

- (A)** a constellation
- (B)** a moon
- (C)** an orbit

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3 A group of stars forms a pattern. What is this pattern called?

- (A)** a solar system
- (B)** a constellation
- (C)** a ball of hot gases

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4 Which is a huge ball of hot gases that gives off heat and light?

- (A)** a moon
- (B)** a planet
- (C)** a star

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5 What is another word for rotate?

- (A)** orbit
- (B)** skip
- (C)** spin

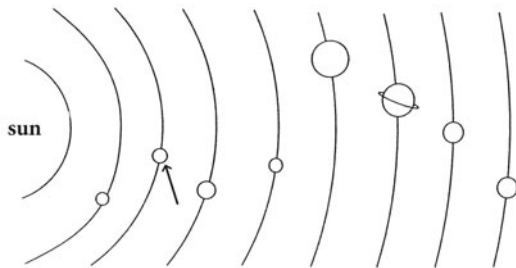
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- 6 Which planet has the shortest orbit around the sun?

(A) Mercury
(B) Earth
(C) Saturn

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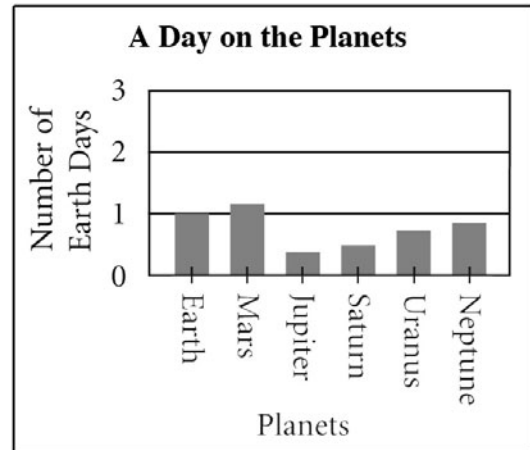
- 7 The picture shows the orbit of planets around the sun. Which planet is the arrow pointing to?



(A) Mars
(B) Uranus
(C) Venus

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- 8 A scientist records how long a day is on some planets. Which planet has a longer day than Earth?



(A) Mars
(B) Neptune
(C) Uranus

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- 9 What does Earth do when it rotates?

(A) It turns.
(B) It gives off heat.
(C) It moves farther from the sun.

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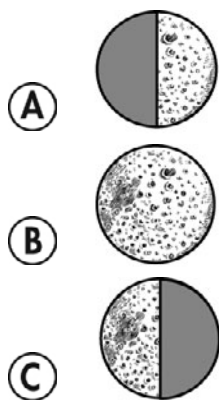
Name _____ Date _____

10 What time of day are shadows the longest?

- (A) at night
- (B) at noon
- (C) in the late afternoon

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11 Which picture shows a first quarter moon?



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12 What happens when Earth rotates?

- (A) The shape of the sun changes.
- (B) The length of a shadow changes.
- (C) The number of hours in a day changes.

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13 Look at the picture of Earth.



What does the arrow show?

- (A) how many times Earth rotates
- (B) the direction in which Earth rotates
- (C) how fast Earth moves around the sun

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Name _____ Date _____

- 14 This table shows the length of a shadow at different times of the day.

Time of Day	Length of Shadow
8 A.M.	2 meters
12 P.M.	1 meter
4 P.M.	2 meters

When was the shadow the shortest?

- (A) 8 a.m.
(B) 12 p.m.
(C) 4 p.m.

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- 15 Where would you see the most shadows?
- (A) inside a dark room
(B) outside on a sunny day
(C) outside on a cloudy day

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- 16 What is the sun?
- (A) a moon
(B) a planet
(C) a star

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- 17 The table below shows the steps to make a model of what causes night and day. What should Step 4 be?

1. Put a lamp on a table.
2. Turn on the lamp.
3. Put a globe by the lamp.
4.

- (A) Spin the globe.
(B) Move the lamp.
(C) Move the lamp and globe.

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- 18 Which is **true** about the sun when shadows are long?
- (A) It is low in the sky.
(B) It is high in the sky.
(C) It cannot be seen in the sky.

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