

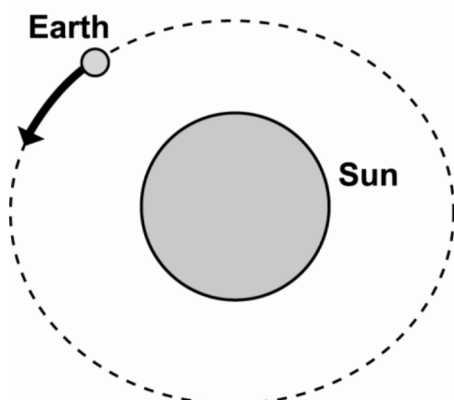
## Review Quiz on Understanding our Solar System

Name: \_\_\_\_\_

Date: \_\_\_\_\_

- Which of these revolves around a planet?  
A. an asteroid                      B. a star  
C. a comet                            D. a moon
- A major feature of the solar system is that as planets get farther away from the sun, they \_\_\_\_\_.  
A. are warmer  
B. have fewer moons  
C. are smaller in diameter  
D. have a longer revolution time

- Use this diagram to answer the question.



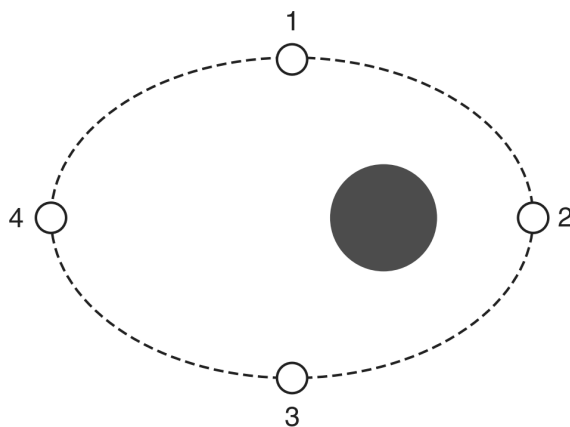
Which statement *best* describes the diagram?

- Earth is rotating around the Sun.  
B. The Sun is rotating around Earth.  
C. Earth is revolving around the Sun.  
D. The Sun is revolving around Earth.
- Which of the following planets has the shortest orbit around the Sun?  
A. Earth                              B. Mars  
C. Mercury                            D. Venus

- The solar system containing Earth consists of a sun and planets.  
Which statement *best* describes the motion of the planets in our solar system?  
A. The planets rotate around the sun.  
B. The sun rotates around the planets.  
C. The planets revolve around the sun.  
D. The sun revolves around the planets.
- Before Galileo's discoveries, the Milky Way was thought to be a cloud in space. What did Galileo's telescopic observations show about the Milky Way?

- It is made of tiny water droplets.  
B. It is made of stars.  
C. It is made of tiny ice crystals.  
D. It is made of planets.

- The diagram below shows a moon revolving around a planet in an elliptical orbit.



At which location is the planet traveling the fastest?

- location 1                              B. location 2  
C. location 3                            D. location 4

8. In the 1500s, Copernicus proposed that Earth orbited the Sun rather than vice versa. Which statement summarizes the *major* impact of this idea on human thought?
- A. Earth was much older than had previously been thought.
  - B. Earth was no longer thought to be the center of the universe.
  - C. Earth was thought to be created by random factors.
  - D. Earth was thought to be moving differently from other objects in space.
9. The following table lists several characteristics of each planet in the solar system.

Planets of the Solar System

	Distance from Sun (kilometers)	Period of Revolution (in Earth years)	Period of Rotation (in Earth days)
Mercury	58,000,000	0.24	59.00
Venus	108,000,000	0.62	243.00
Earth	150,000,000	1.00	1.00
Mars	228,000,000	1.90	1.03
Jupiter	778,000,000	12.00	0.41
Saturn	1,427,000,000	29.00	0.43
Uranus	2,871,000,000	84.00	0.72
Neptune	4,498,000,000	165.00	0.67

What is the connection between the distance from the sun and the period of revolution?

- A. The planets farther from the sun have longer days.
- B. The planets farther from the sun have longer years.
- C. The planets closer to the sun have longer days.
- D. The planets closer to the sun have longer years.

10. Which of the following is true about the planets in the solar system?
- A. All planets complete one revolution about every 365 days.
  - B. All planets have one moon.
  - C. All planets have an elliptical orbit.
  - D. All planets have the same surface temperature.