

Name: _____ Period: _____ Date: _____

Bill Nye the Science Guy - Planets & Moons

While watching the movie answer the following questions.

1. What is the only planet that we know of that contains living things like you and me?

2. What direction do planets travel around the sun?
 - a. Clockwise
 - b. Counterclockwise

3. What is the largest planet in the solar system?

4. What is one reason (related to temperature) that Earth is the only planet that contains life as we know it?

5. Pluto is over _____ billion kilometers from the sun.

6. There are 4 basic theories about where the Earth's moon came from. Write down **one** of them.

7. What force causes the planets to stay in orbit around the sun?

8. Why do planets further away from the sun take longer to orbit the sun?

9. How long does Pluto, the furthest 'planet' from the sun, take to orbit the sun?

10. Just in case you forgot, what direction do planets travel around the sun in?

(Quiz on the back)

Bill Nye the Science Guy - Planets & Moons

Answer the following questions once you have watched the Bill Nye video on Planets & Moons

1. Planets in our solar system travel around the earth in a **clockwise** direction.
TRUE or FALSE

2. The planet Mars is surrounded by a number of rings. TRUE or FALSE

3. The sun is the largest object in our solar system. TRUE or FALSE

4. Planets and moons shine in the sky due to reflected sunlight. TRUE or FALSE

5. The Earth's orbit around the sun is perfectly circular. TRUE or FALSE

6. Planets closer to the sun take a shorter time to orbit the sun than planets further to the sun. TRUE or FALSE

7. The two planets in our solar system that have rings around them are Jupiter and Neptune. TRUE or FALSE

8. Which statement is correct?
 - a. The further away from the sun a planet is, the hotter it is.
 - b. The closer to the sun a planet is, the hotter it is.
 - c. Distance from the sun makes no difference to the temperature of a planet.