Earth and Space

Choose the correct answer.

1. Which of the following is the best example of a "cosmic collision" or "cosmic crash"?

- ◯ An impact crater on the moon
- ◯ A "shooting star"

2. Galaxies can have different shapes. The shape of our galaxy, the Milky Way, is _____.

- ◯  elliptical
- ◯  irregular
- ◯  barred spiral

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3. Which of the following is a picture of the moon phase known as "new moon?"





4. How far is the Moon from the Earth?

- ◯ about 238,900 kilometers
- ◯ about 238,900 miles

State whether the following statement is true or false.

5. The Milky Way galaxy is part of our solar system.



- ◯ True
- ◯ False

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Choose the correct answer.

6. There are several types of stars, including Giant, Super Giant, and Dwarf stars. The Sun is an example of a _____.

- ◯ Red Giant
- ◯ Yellow Dwarf

State whether the following statement is true or false.

7. A star is only formed when a black hole explodes.

- ◯ True
- ◯ False

8. Galileo was the first scientist to understand that the Sun is at the center of our solar system.

- ◯ True
- ◯ False

Choose the correct answer.

9. The solar calendar uses the time it takes for the Earth to make one trip around the Sun. The lunar calendar is calculated based on the phases of the Moon's orbit around the Earth. Which calendar would be used to measure one year?

- ◯ solar
- ◯ lunar

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10. Which of these is in the right order, from largest to smallest?

- ◯ Sun, Earth, Moon
- ◯ Moon, Sun, Earth

11. What is the main reason why humans can live on the Earth but not on the Moon?

- ◯ The Earth's atmosphere keeps the planet at the right temperature for plants to grow, and protects it from the Sun's harmful rays.
- ◯ It is too hard to take people and supplies to the Moon.

12. How are meteors, meteorites, and meteoroids different from each other?

- ◯ In size: meteors are at least ten feet in diameter, meteorites are at least five feet in diameter, and meteoroids are less than five feet in diameter.
- ◯ In their relationship to the Earth: meteoroids are small pieces of asteroids or comets that are orbiting the Sun, meteors are meteoroids that burn up in the atmosphere of the Earth ("shooting stars"), and meteorites are meteoroids that make it through the atmosphere and actually make contact with the surface of the Earth.

State whether the following statement is true or false.

13. Meteoroids are much bigger than asteroids.

- ◯ True
- ◯ False

Choose the correct answer.

14. Because the Moon rotates around its axis at the same speed that it moves around the Earth, we see _____.

- ◯ only one side of the Moon
- ◯ every face of the moon during a full calendar year

State whether the following statement is true or false.

15. There is an asteroid belt between Mars and Jupiter.

- ◯ True
- ◯ False

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