**Unit 3, Lesson 1 & 2 Review Quiz**

**Multiple Choice**

*Identify the choice that best completes the statement or answers the question.*

**\_\_\_\_ 1.** Crewless spaceships are sent to investigate deep space and transmit their findings back to Earth. Many carry cameras that take detailed pictures of distant space bodies. What is the name for these type space vehicles?

|  |  |
| --- | --- |
| **A** | constellations |
| **B** | space probes |
| **C** | satellites |
| **D** | space stations |

**\_\_\_\_ 2.** Our solar system consists of eight planets. What is a planet?

|  |  |
| --- | --- |
| **A** | many stars held together |
| **B** | a rock fragment in space |
| **C** | a large object in space that revolves around a star in its own orbit |
| **D** | a large object in space that is composed of gases and gives off light |

**\_\_\_\_ 3.** The figure below shows the eight planets in our solar system.



Which of the following planets has a large solid core?

|  |  |
| --- | --- |
| **A** | Jupiter |
| **B** | Mercury |
| **C** | Neptune |
| **D** | Saturn |

**\_\_\_\_ 4.** Jaylin is making a realistic drawing of Mars. The picture below shows what he has done so far.



Which feature should Jaylin be sure to add to his drawing?

|  |  |
| --- | --- |
| **A** | thick clouds |
| **B** | a large ocean |
| **C** | a cratered surface |
| **D** | a system of rings |

**\_\_\_\_ 5.** Skylab was the first American space station. It was in orbit around Earth from 1973 to 1979. Which of these objects was Skylab **most** **similar** to?

|  |  |
| --- | --- |
| **A** | comet |
| **B** | moon |
| **C** | planet |
| **D** | star |

**\_\_\_\_ 6.** The picture below shows a feature known as the Great Dark Spot.



Which of these planets is shown in the picture?

|  |  |
| --- | --- |
| **A** | Jupiter |
| **B** | Neptune |
| **C** | Saturn |
| **D** | Uranus |

**\_\_\_\_ 7.** All the planets in the solar system orbit the sun. What is the **main** difference between the orbits of the inner and outer planets?

|  |  |
| --- | --- |
| **A** | The inner planets travel a greater distance than the outer planets do. |
| **B** | The inner planets have almost round orbits, and the outer planets do not. |
| **C** | The outer planets rotate as they orbit the sun, and the inner planets do not. |
| **D** | The outer planets’ orbits are longer than the inner planets’ orbits. |

**\_\_\_\_ 8.** Anna is studying the solar system, and he knows that the sun is a star. Why is the sun considered the center of the solar system?

|  |  |
| --- | --- |
| **A** | It is closer to Earth than other stars. |
| **B** | The sun produces light and energy. |
| **C** | The sun is the largest object that can be seen. |
| **D** | Everything in the solar system revolves around the sun. |

**\_\_\_\_ 9.** Until 2006, Pluto was considered the solar system’s ninth planet. Pluto is now classified as a dwarf planet. Which of these properties of Pluto explains why it is classified as a dwarf planet?

|  |  |
| --- | --- |
| **A** | It does not orbit the sun. |
| **B** | It is too far from Earth. |
| **C** | It is too small to be a planet. |
| **D** | It has other bodies in its orbit. |

**\_\_\_\_ 10.** Kunal created a poster showing the solar system. Kunal’s poster is shown below.



Which of these details in Kunal’s poster is accurate?

|  |  |
| --- | --- |
| **A** | the order of the planets |
| **B** | the number of moons shown |
| **C** | the distances between the planets |
| **D** | the sizes of the planets and the sun |

**\_\_\_\_ 11.** A student’s model of the solar system is shown below.



Which of these objects would **most likely** be found between Mars and Jupiter?

|  |  |
| --- | --- |
| **A** | stars |
| **B** | comets |
| **C** | asteroids |
| **D** | dwarf planets |

**\_\_\_\_ 12.** Ganymede is a moon of Jupiter. It is larger than Mercury and has a metallic core similar to Earth’s core. Which of these statements **best** explains why Ganymede is classified as a moon rather than a planet?

|  |  |
| --- | --- |
| **A** | It is too large to be called a planet. |
| **B** | It orbits Jupiter instead of the sun. |
| **C** | Its properties are different from Jupiter. |
| **D** | It is farther from the sun than Mercury. |

**\_\_\_\_ 13.** During a visit to an observatory, Deven observed the moon, Venus, the sun, and the star Sirius. Which of these objects is outside of the solar system?

|  |  |
| --- | --- |
| **A** | Sirius |
| **B** | Venus |
| **C** | sun |
| **D** | Moon |

**\_\_\_\_ 14.** Which of these characteristics distinguishes the outer planets from the inner planets?

|  |  |
| --- | --- |
| **A** | The outer planets have many moons. |
| **B** | The outer planets orbit in a different direction. |
| **C** | The outer planets have higher densities. |
| **D** | The outer planets have smaller diameters. |

**\_\_\_\_ 15.** The table below shows some of the characteristics of a planet.

|  |  |
| --- | --- |
| **Length of day** | 25 hr |
| **Number of moons** | 2 |
| **Diameter** | 6,800 km |
| **Color** | red |

Which two characteristics would be **most** helpful for determining whether the planet is a gas giant or a rocky planet?

|  |  |
| --- | --- |
| **A** | length of day and color |
| **B** | diameter and length of day |
| **C** | color and number of moons |
| **D** | number of moons and diameter |

**\_\_\_\_ 16.** Ivy was observing the moon through a telescope. She observed that the surface of the moon is covered with craters. Which of these planets shares this characteristic with the moon?

|  |  |
| --- | --- |
| **A** | Earth |
| **B** | Jupiter |
| **C** | Mercury |
| **D** | Uranus |

**\_\_\_\_ 17.** Samantha is studying the outer planets. Which feature does Neptune have in common with Jupiter, Uranus, and Saturn?

|  |  |
| --- | --- |
| **A** | irregular shape |
| **B** | small diameter |
| **C** | thin atmosphere |
| **D** | small solid core |

**Unit 3, Lesson 1 & 2 Review Quiz**

**Answer Section**

**MULTIPLE CHOICE**

**1.** B

**2.** C

**3.** B

**4.** C

**5.** B

**6.** B

**7.** D

**8.** D

**9.** D

**10.** A

**11.** C

**12.** B

**13.** A

**14.** A

**15.** D

**16.** C

**17.** D