**Unit 3, Lesson 3 Review Quiz**

**Multiple Choice**

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

**\_\_\_\_ 1.** The sun is a medium-size star, but it appears much larger than other stars. Why does the sun appear to be so large?

|  |  |
| --- | --- |
| **A** | The sun is hotter than other stars. |
| **B** | The sun produces more light than other stars. |
| **C** | The sun is much closer to Earth than other stars. |
| **D** | The sun is affected by Earth’s gravity more than other stars are. |

**\_\_\_\_ 2.** There are many different colors of stars. Which characteristic determines the color of a star?

|  |  |
| --- | --- |
| **A** | temperature |
| **B** | size and shape |
| **C** | actual brightness |
| **D** | distance from Earth |

**\_\_\_\_ 3.** A galaxy is composed of billions of stars held together by gravity. The illustration below shows one common type of galaxy.



What type of galaxy is shown in the illustration?

|  |  |
| --- | --- |
| **A** | barred spiral |
| **B** | elliptical |
| **C** | spinning |
| **D** | spiral |

**\_\_\_\_ 4.** The Milky Way is a medium-size galaxy. How many stars are there in the Milky Way galaxy?

|  |  |
| --- | --- |
| **A** | thousands of stars |
| **B** | tens of millions of stars |
| **C** | hundreds of millions of stars |
| **D** | hundreds of billions of stars |

**\_\_\_\_ 5.** Even though the sun is yellow, stars have many other colors, too. What color are the **coldest** stars?

|  |  |
| --- | --- |
| **A** | blue |
| **B** | orange |
| **C** | red |
| **D** | white |

**\_\_\_\_ 6.** Some galaxies have symmetrical shapes. Other galaxies look jumbled.



What term do astronomers use to describe a galaxy such as the one shown in the illustration?

|  |  |
| --- | --- |
| **A** | barred spiral galaxy |
| **B** | elliptical galaxy |
| **C** | irregular galaxy |
| **D** | spiral galaxy |

**\_\_\_\_ 7.** Aldebaran is a red giant star. The sun is a medium yellow star. Which of these statements about Aldebaran and the sun is true?

|  |  |
| --- | --- |
| **A** | Aldebaran is a much hotter star than the sun is. |
| **B** | The only difference between Aldebaran and the sun is their size. |
| **C** | Aldebaran’s real brightness is greater than the sun’s real brightness. |
| **D** | Viewed from the same distance, the sun would be brighter than Aldebaran. |
|  |  |

**\_\_\_\_ 8.** Elliptical galaxies are brightest toward the center. Which of these statements **best** explains this observation?

|  |  |
| --- | --- |
| **A** | The stars are evenly distributed through the galaxy. |
| **B** | The center is crowded with stars, and the number of stars decreases farther out. |
| **C** | Most of the stars are near the outside of the elliptical galaxy, with dust clouds in the center. |
| **D** | The stars are spread throughout the galaxy in bands that look like the arms of spiral galaxies. |

**\_\_\_\_ 9.** When compared to other stars, the sun is not very unusual. However, the sun is very important to humans. What makes the sun more important than the other stars?

|  |  |
| --- | --- |
| **A** | Unlike other stars, the sun is very large. |
| **B** | When compared to other stars, the sun is the hottest. |
| **C** | Unlike other stars, the sun is the right color for living things. |
| **D** | When compared to other stars, the sun is very close to Earth. |

**\_\_\_\_ 10.** There are two types of spiral galaxies. What is the difference between a barred spiral galaxy and a normal spiral galaxy?

|  |  |
| --- | --- |
| **A** | the number of spiral arms |
| **B** | the shape of the spiral arms |
| **C** | the number of stars in the galaxy |
| **D** | the colors of the stars in the galaxy |

**Unit 3, Lesson 3 Review Quiz**

**Answer Section**

**MULTIPLE CHOICE**

**1.** C

**2.** A

**3.** A

**4.** D

**5.** C

**6.** C

**7.** C

**8.** B

**9.** D

**10.** B