**Unit 9, Lesson 3 & 4 Review Quiz**

**Multiple Choice**

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

**\_\_\_\_ 1.** The organ shown below, identified with an arrow, plays an important role in digestion by producing a substance that helps break down certain foods.



What substance does this organ produce to help digestion?

|  |  |
| --- | --- |
| **A** | acid |
| **B** | bile |
| **C** | oil |
| **D** | salt water |

**\_\_\_\_ 2.** Urine is a product of the urinary system. What makes up normal human urine?

|  |  |
| --- | --- |
| **A** | mostly nutrients |
| **B** | dissolved oxygen |
| **C** | water and waste products |
| **D** | all of the fluids that a person drinks |

**\_\_\_\_ 3.** When a body system does not function properly, it can have serious effects on a person. What would happen if the urinary system organs stopped working properly?

|  |  |
| --- | --- |
| **A** | Waste products would build up in the body. |
| **B** | The body would not digest solid food properly. |
| **C** | The liver would take over and the person would not be affected. |
| **D** | Blood would stop moving around the body because the heart would stop pumping. |

**\_\_\_\_ 4.** The diagram below shows the life cycle of a frog.



Which stage of the life cycle represents the adult?

|  |  |
| --- | --- |
| **A** | R |
| **B** | S |
| **C** | T |
| **D** | U |

**\_\_\_\_ 5.** Which of the following organs is part of the female reproductive system?

|  |  |
| --- | --- |
| **A** | ovary |
| **B** | kidney |
| **C** | testes |
| **D** | bladder |

**\_\_\_\_ 6.** The human body has different systems. Each system has several organs. The diagram below shows a model of some of the organs in one of the human body systems.



Which organ does the arrow show?

|  |  |
| --- | --- |
| **A** | bladder |
| **B** | kidney |
| **C** | liver |
| **D** | pancreas |

**\_\_\_\_ 7.** Humans take in oxygen and release carbon dioxide using lungs. Which organism below uses booklungs to exchange oxygen and carbon dioxide?

|  |  |
| --- | --- |
| **A** | fish |
| **B** | bird |
| **C** | spider |
| **D** | airplane plant |

**\_\_\_\_ 8.** All cells in the body need oxygen and nutrients to survive. These cells give off carbon dioxide and other wastes. Body systems work together to supply cells with nutrients and oxygen and remove wastes. Which list shows the path of nutrients entering the body?

|  |  |
| --- | --- |
| **A** | air - respiratory system - digestive system - cells |
| **B** | air - respiratory system - circulatory system - cells |
| **C** | food - digestive system - circulatory system - cells |
| **D** | food - digestive system - respiratory system - cells |

**\_\_\_\_ 9.** The following picture shows the flow of blood through the human circulatory and respiratory systems.



Which statement is **true** of the large blood vessel called the aorta?

|  |  |
| --- | --- |
| **A** | It carries blood to the heart. |
| **B** | It carries blood to the lungs. |
| **C** | It carries blood that is high in oxygen. |
| **D** | It carries blood that is high in carbon dioxide. |

**\_\_\_\_ 10.** The following picture shows the human skeletal system.



Which structure's main function is to protect a major organ of the nervous system?

|  |  |
| --- | --- |
| **A** | A |
| **B** | B |
| **C** | C |
| **D** | D |

**\_\_\_\_ 11.** Fish get oxygen from water through their gills. They also use their gills to release carbon dioxide. Which organ in humans is similar to fish gills?

|  |  |
| --- | --- |
| **A** | heart |
| **B** | intestine |
| **C** | lungs |
| **D** | Mouth |

**\_\_\_\_ 12.** Body systems in humans sometimes have similar functions to plant systems. For example, the human skeletal system provides structure and support for the body. The following picture shows the basic structures of a plant.



Which labeled plant structure is **most similar** in function to the human skeletal system?

|  |  |
| --- | --- |
| **A** | A |
| **B** | B |
| **C** | C |
| **D** | D |

**\_\_\_\_ 13.** The spine is made up of a stack of bones called vertebrae. The vertebrae surround and protect the spinal cord. They begin at the base of the skull, run down the neck and back, and end at the tail bone. To which body system do vertebrae belong?

|  |  |
| --- | --- |
| **A** | circulatory |
| **B** | muscular |
| **C** | nervous |
| **D** | skeletal |

**\_\_\_\_ 14.** Dawn is comparing how different animals move and the structures they use to move. She made the table shown below.

|  |  |  |
| --- | --- | --- |
| **Animal** | **Method of movement** | **Structures used for movement** |
| panther | walks | legs and feet |
| parrot | flies | wings |
| shark | swims |  |

Which structure completes the table for the shark?

|  |  |
| --- | --- |
| **A** | eyes and brain |
| **B** | skin and scales |
| **C** | tail and fins |
| **D** | teeth and jaws |

**Short Answer**

 **1.** Compare and contrast some ways in which plants and animals reproduce. Describe at least one similarity and one difference.

 **2.** Cells produce wastes, which must be removed from the body. The kidneys remove wastes from the blood that leave the body as urine. The lungs remove carbon dioxide waste. This waste leaves the body in air as the lungs exhale. Identify and describe the body system that carries wastes from cells to the kidneys and lungs for removal from the body.

**Unit 9, Lesson 3 & 4 Review Quiz**

**Answer Section**

**MULTIPLE CHOICE**

 **1.** B

 **2.** C

 **3.** A

 **4.** A

 **5.** A

 **6.** A

 **7.** C

 **8.** C

 **9.** C

 **10.** A

 **11.** C

 **12.** C

 **13.** D

 **14.** C

**SHORT ANSWER**

 **1.** Sample answer: Plant and animal reproduction are both similar and different. One similarity is that the offspring of plant or animal reproduction have traits similar to those of their parent(s). Differences include that plants produce seeds or reproduce by budding. Animals can lay eggs or young can develop inside a mother’s body. Animals may also go through metamorphosis.

Students’ answers should include:

• at least one accurate similarity between plant and animal reproduction, for example: offspring resemble parents, organisms have specialized reproductive structures, there are male and female structures/organisms

• at least one accurate difference between plant and animal reproduction, for example: plants produce seeds but animals lay eggs or give live birth, a plant may have both male and female parts but most animals are either male or female, animals have different reproductive structures than plants

 **2.** Sample answer:

The circulatory system transports blood carrying nutrients, oxygen, and wastes throughout the body. It is made up of the heart, blood vessels, and blood.

Students' answers should include:

• identification of the circulatory system

• description of the circulatory system, including parts and function