

## **Cells and Systems**

### **Topic 6 - Body Systems in Humans Practice Quiz**

1. This organ system carries nutrients throughout the body, so that specialized cells can perform specialized functions. This body system is the ...

**digestive system**

**integumentary system**

**circulatory system**

**respiratory system**

2. Each body system works with other body systems to perform its function effectively. When different gases are exchanged in the lungs and then transported throughout the body, the systems working together are the ...

**respiratory and integumentary**

**respiratory and digestive**

**respiratory and circulatory**

**respiratory and sensory**

3. The excretory system is connected to other systems, such as the circulatory system and the digestive system. The excretory system's primary function is to ...

**get rid of wastes**

**get nutrients to the cells**

**exchange gases**

**to protect the other systems**

4. Sensory awareness is important for all living things, so they can respond and adapt to their environment. When your muscles 'quiver' because you are cold, they generate ...

**wastes**

**heat**

**blood flow**

**a nutrient imbalance**

5. A **knee-jerk reaction** is a simple example of a feedback system that is controlled by the nervous system in the body. A sharp tap of the reflex hammer to the knee sends a signal, up the spinal cord, to the brain, where the brain interprets and then sends a message to the leg to react. The stimulus in this example is the ...

**reflex hammer**

**brain**

**spinal cord**

**leg**

**Check your**  
**Answers**

## Cells and Systems

### Topic 6 - Body Systems in Humans Practice Quiz

1. This organ system carries nutrients throughout the body, so that specialized cells can perform specialized functions. This body system is the ...

**digestive system**

**integumentary system**

**circulatory system (Text p. 146) The circulatory system circulates blood delivering nutrients, exchanging gases and riding the body of wastes**

**respiratory system**

2. Each body system works with other body systems to perform its function effectively. When different gases are exchanged in the lungs and then transported throughout the body, the systems working together are the ...

**respiratory and integumentary**

**respiratory and digestive**

**respiratory and circulatory (Text p. 148) These systems regulate gases in the body by exchanging and transporting these gases**

**respiratory and sensory**

3. The excretory system is connected to other systems, such as the circulatory system and the digestive system. The excretory system's primary function is to ...

**get rid of wastes (Text p. 151) The Excretory System**

**get nutrients to the cells**

**exchange gases**

**to protect the other systems**

4. Sensory awareness is important for all living things, so they can respond and adapt to their environment. When your muscles 'quiver' because you are cold, they generate ...

**wastes**

**heat (Text p. 151) "Quivering" muscles generate heat**

**blood flow**

**a nutrient imbalance**

5. A **knee-jerk reaction** is a simple example of a feedback system that is controlled by the nervous system in the body. A sharp tap of the reflex hammer to the knee sends a signal, up the spinal cord, to the brain, where the brain interprets and then sends a message to the leg to react. The stimulus in this example is the ...

**reflex hammer (Text p. 152) A Simple Reflex - Find Out Activity**

**brain**

**spinal cord**

**leg**