1. How does the circulatory system and the respiratory system depend on one another?

   A. Oxygen collected by the respiratory system is carried throughout the body by the circulatory system.
   
   B. Solid wastes collected by the circulatory system are carried throughout the body by the respiratory system.
   
   C. Nutrients collected by the respiratory system are carried throughout the body by the circulatory system.
   
   D. Carbon dioxide collected by the circulatory system is carried throughout the body by the respiratory system.

2. Where does oxygen-rich blood go after leaving the lungs?

   A. the brain       B. the heart
   C. the kidney      D. the stomach

3. The diagram below shows a human heart. When contracted, the left ventricle pumps oxygenated blood to the body. What is the purpose of the aortic valve that separates the left ventricle from the aorta?

   A. to prevent blood from flowing back into the left ventricle
   B. to prevent blood from flowing into the aorta
   C. to push blood into the left ventricle
   D. to push blood into the aorta
4. Use the diagram below to answer the question.

The diagram shows blood flow in a human heart and in a frog heart. Which statement is correct?

A. Both hearts pump blood throughout the body, but only the human heart keeps oxygen-rich blood and oxygen-poor blood separate.

B. Both hearts pump blood throughout the body, but only the human heart sends blood to and from the lungs to become oxygen-rich blood.

C. Both hearts have chambers, but only the frog heart uses the chambers to keep oxygen-rich and oxygen-poor blood separate.

D. Both hearts have chambers, but only the human heart uses the chambers to receive oxygen-rich blood from the lungs and oxygen-poor blood from the body.

5. In the human body, which system functions primarily to defend the body against diseases?

A. digestive  
B. immune  
C. respiratory  
D. nervous

6. Trace the path of blood as it flows through the heart, into the body, and back to the heart.

\[ \text{lungs} \rightarrow \text{left side of heart} \rightarrow X \rightarrow \text{right side of heart} \]

A. right ventricle  
B. right atrium  
C. left ventricle  
D. kidney

7. Two students are studying what makes ice melt the fastest. They want to conduct an investigation. During which of these steps in their investigation will they measure the ice?

A. showing some graphs  
B. making a conclusion  
C. developing a hypothesis  
D. collecting some data

8. Which statement is an observation?

A. The plant has flowers.  
B. The plant is very pretty.  
C. The plant will grow berries.  
D. The plant might be poisonous.