The Circulatory System Quiz Answers

Circle the correct answer to each question, below:

1. What are the names of the chambers of the heart?
   a. atriums and veins   b. ventricles and arteries
   c. atriums and ventricles   d. arteries and veins
   **c. atriums and ventricles**

2. The right ventricle pumps blood to the ________.
   a. heart   b. lungs   c. brain   d. legs
   **b. lungs**

3. How many valves are in a human heart?
   a. two   b. three   c. four   d. six
   **c. four**

4. The tricuspid valve has ________ flaps that open and close.
   a. one   b. two   c. three   d. four
   **d. four**

5. When __________ is used to make artificial valves, the valves last long a long time, but blood clotting can result.
   a. animal tissue   b. metal or plastic   c. silly putty   d. spoons
   **b. metal or plastic**

6. The __________ carry de-oxygenated blood back to the heart.
   a. arteries   b. capillaries   c. veins   d. ventricles
   **c. veins**

7. When engineers brainstorm together as a team, they make sure to _______________.
   a. criticize all ideas   b. come up with lots of ideas and build on each other’s ideas   c. focus on one idea   d. talk about their plans for the weekend
   **b. come up with lots of ideas and build on each other’s ideas**

8. After receiving oxygen from the lungs, blood returns to the heart through the left ________.
   a. atrium   b. ventricle   c. artery   d. vein
   **a. atrium**

9. The most important purpose of the valves in the heart is to ________________.
   a. clean the blood   b. allow blood to flow in one direction   c. absorb oxygen   d. do nothing (they have no purpose)
   **b. allow blood to flow in one direction**

10. Once blood has been oxygenated, it is pumped out of the heart by the left ventricle into the ________, where it travels to the rest of the body.
    a. atrium   b. aorta   c. capillaries   d. veins
    **b. aorta**

Engineering the Heart: Heart Valves lesson — The Circulatory System Pre/Post Quiz Answers