The Circulatory System Quiz

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

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

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

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

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

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

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

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)

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

Engineering the Heart: Heart Valves lesson — The Circulatory System Quiz