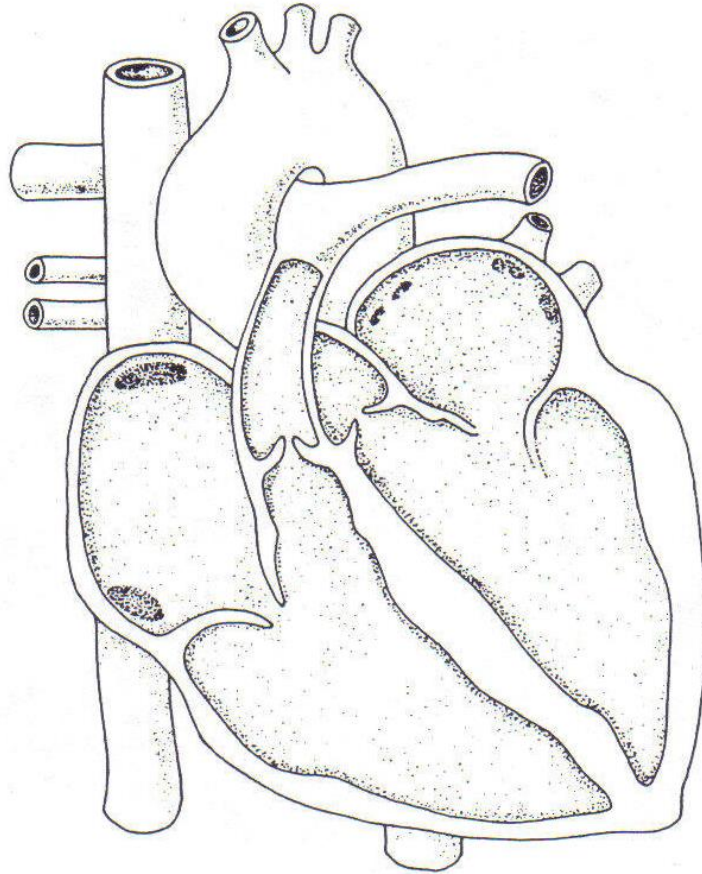


The Circulatory System Review 1

1. Label the following diagram. Draw arrows to indicate the flow of blood in the heart. Use red arrows to indicate oxygenated blood and blue arrows to indicate deoxygenated blood!



2. Trace the pathway of blood through the heart and the body. Use a flowchart to simplify the pathway. Start at the right atrium.

3. The following statements describe characteristics of different blood vessels. Determine whether the statement is referring to arteries, veins or capillaries. Write an A for arteries, V for veins and C for capillaries. (/10)
- a. These have valves to prevent the back-flow of blood.
 - b. Nutrients, gases, fluids and wastes are all exchanged here.
 - c. These are low pressure blood vessels.
 - d. You feel your pulse in these.
 - e. Red blood cells can only fit through these in single file.
 - f. These have walls with connective tissue on the inside and outside, with elastic tissue in between.
 - g. These connect arterioles to venules.
 - h. These carry blood away from the heart.
 - i. These are made of smooth muscle.
 - j. These are fragile blood vessels and are typically what breaks what ruptures when bruising occurs.
4. Describe the pathway of nerve impulses through the heart. Refer to the terms *sinoatrial node*, *atrioventricular node*, and *Purkinje fibres*.