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Topic 11: Transport in Humans

Answer ALL the following questions.

1. Put the following in the correct order: [7]

- a blood enters arteries
- b ventricles contract
- c atria contract
- d ventricles relax
- e blood enters ventricles
- f semilunar valves close
- g atrioventricular valves close

2. State which parts of the heart
a. Pump blood into the arteries. [1]

b. Stop blood flowing the wrong way. [1]

3. Explain why

a. The walls of the ventricles are more muscular than the walls of the atria [2]

b. The muscle of the left ventricle is thicker than that of the right ventricle. [2]

4. Name: [2]

a. the blood vessels that carry blood away from the heart : _____

b. the blood vessels that carry blood toward the heart : _____

5. Describe two possible risk factors of coronary heart disease. [4]

6. State which factors, which contribute to the risk of coronary heart disease, we have no control over. [1]

7. Label the heart below.

