

HEART STRUCTURE AND BLOOD FLOW ORGANISER

Name: _____

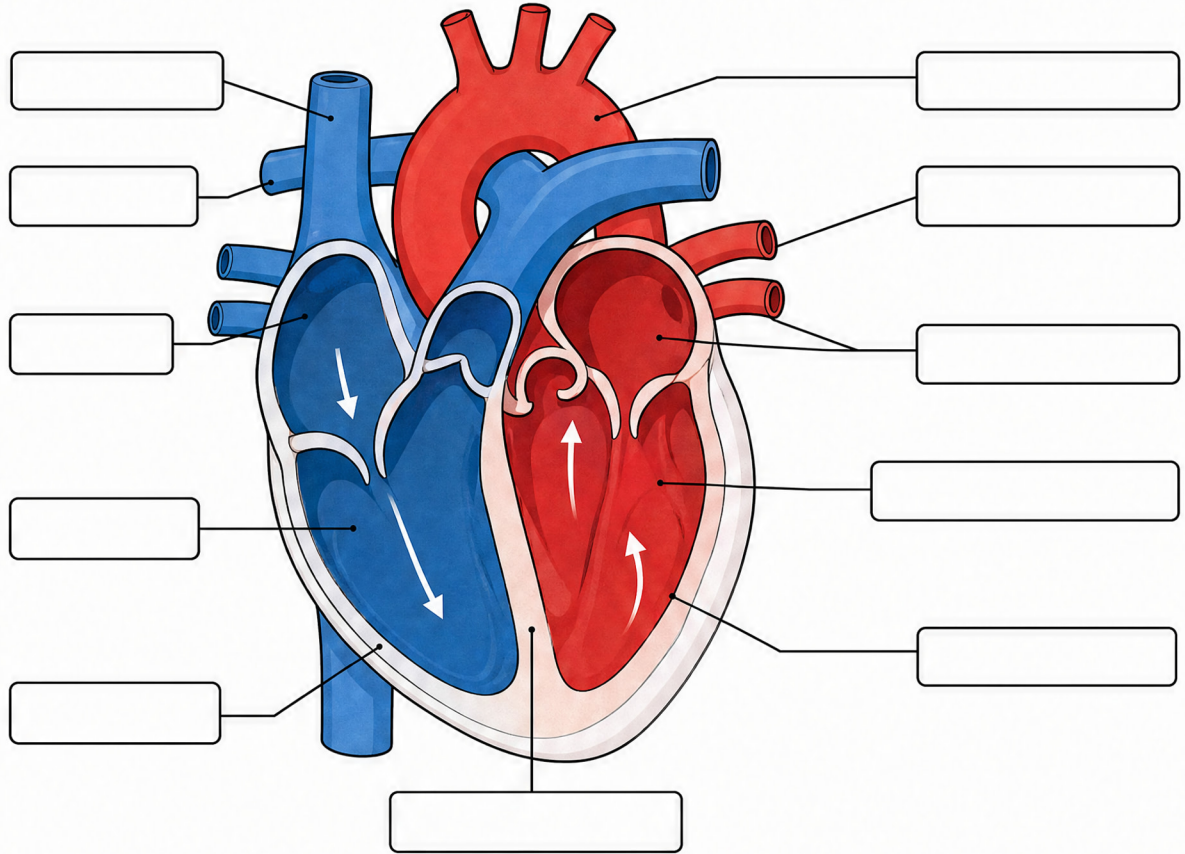
Date: _____

Class: _____

1. LABEL THE HEART

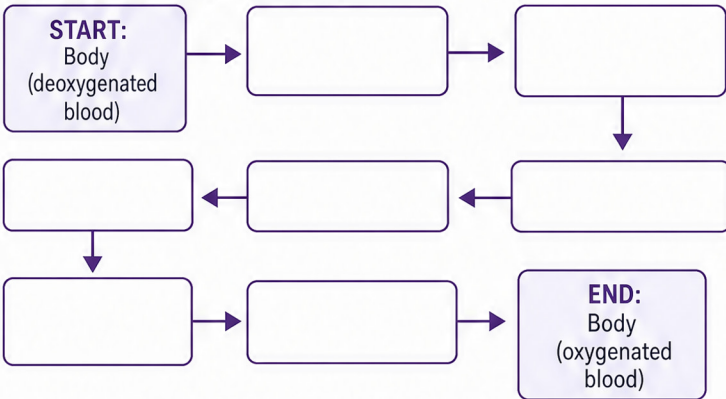
Write the correct term from the word bank next to each line on the diagram.

- Aorta
- Pulmonary artery
- Pulmonary vein
- Vena cava (superior)
- Vena cava (inferior)
- Left atrium
- Left ventricle
- Right atrium
- Right ventricle
- Septum
- Heart valve



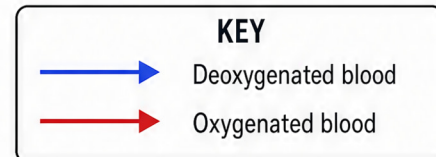
2. BLOOD FLOW PATHWAY

Fill in the correct order of blood flow starting and ending at the body.



3. COLOUR THE FLOW

Use the key to colour the arrows on the diagram.



WHAT THE COLOURS REPRESENT

- Deoxygenated blood: low in oxygen, high in carbon dioxide.
- Oxygenated blood: high in oxygen, low in carbon dioxide.

4. STRUCTURE AND FUNCTION

Complete the table.

STRUCTURE	FUNCTION
Atria	
Ventricles	
Septum	
Valves	
Aorta	
Pulmonary artery	

5. THINK AND APPLY

Answer the questions in full sentences.

1. Why is it important that the left and right sides of the heart are separated?

2. What would happen if the heart valves did not work properly?

3. How does exercise increase the demand on the heart?
