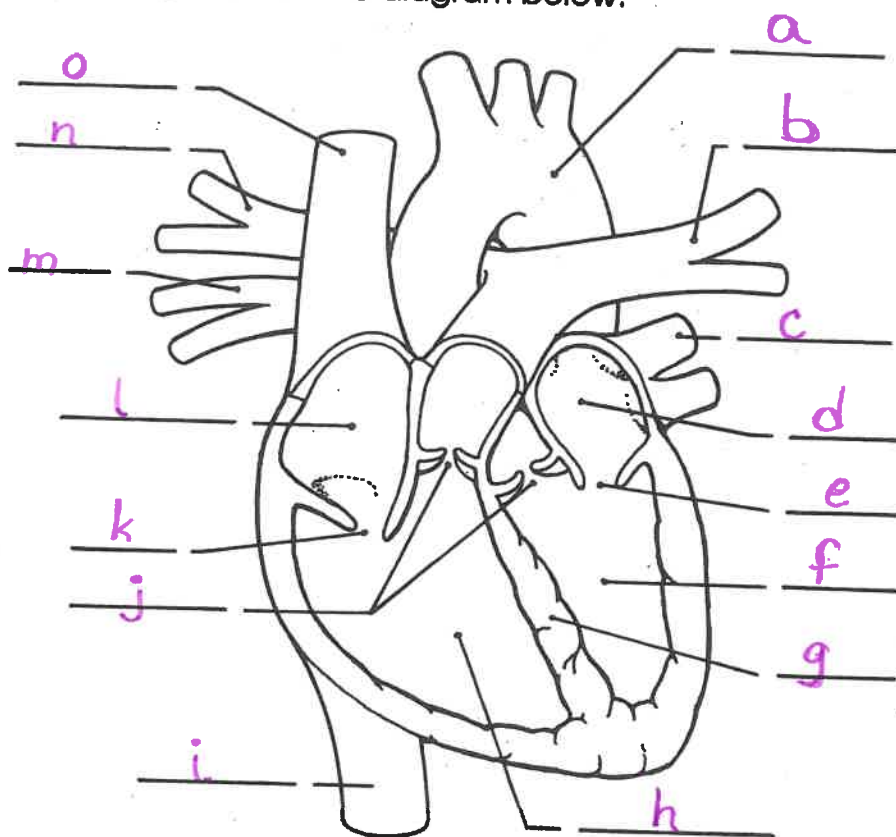


Label the following parts of the human heart on the diagram below.

- a. aorta
- b. left pulmonary artery
- c. left pulmonary vein
- d. left atrium
- e. bicuspid valve (mitral valve)
- f. left ventricle
- g. septum
- h. right ventricle
- i. inferior vena cava
- j. semilunar valves
- k. tricuspid valve
- l. right atrium
- m. right pulmonary vein
- n. right pulmonary artery
- o. superior vena cava



What term best fits each of the following descriptions?

1. vessels which carry blood away from the heart
2. vessels which carry blood toward the heart
3. tiny blood vessels with walls that are only one cell thick
4. thick wall that divides the heart into two sides
5. upper chambers of the heart that receive blood
6. lower chambers of the heart that pump blood out of the heart
7. valve between right atrium and right ventricle
8. valve between left atrium and left ventricle
9. valves found between the ventricles and blood vessels
10. membrane around the heart
11. the only artery in the body rich in carbon dioxide
12. the only vein in the body rich in oxygen

arteries

veins

capillaries

septum

atria

ventricles

A.V. (tricuspid)

A.V. (bicuspid/mitral)

semilunar

pericardium

pulmonary artery

pulmonary vein

# HUMAN CIRCULATORY SYSTEM

Name \_\_\_\_\_

Starting from and ending with the right atrium, trace the flow of blood through the heart and body by numbering the following in the correct order.

- |              |                  |          |                 |
|--------------|------------------|----------|-----------------|
| <u>1, 11</u> | right atrium     | <u>4</u> | lungs           |
| <u>6</u>     | left atrium      | <u>2</u> | right ventricle |
| <u>3</u>     | pulmonary artery | <u>7</u> | left ventricle  |
| <u>10</u>    | vena cava        | <u>9</u> | body cells      |
| <u>8</u>     | aorta            | <u>5</u> | pulmonary veins |

On the diagram of the heart shown below, trace the direction of blood flow through the heart. Use red to show the pathway of oxygen-rich blood and blue the pathway of oxygen-poor blood.

