

## KEY FACTS

- Arteries: carry blood AWAY from heart. Thick elastic walls. Small lumen. High pressure.
- Veins: carry blood TO heart. Thin walls. Large lumen. Low pressure. Contain VALVES.
- Capillaries: one cell thick. Large SA. Site of exchange between blood and tissues.
- At capillaries: O<sub>2</sub> + glucose diffuse OUT to cells; CO<sub>2</sub> + waste diffuse IN to blood

## KEY TERMS

|           |   |
|-----------|---|
| Artery    | Away from heart — thick walls, high pressure, no valves |
| Vein      | To heart — thin walls, valves, low pressure             |
| Capillary | One cell thick — exchange between blood and tissues     |
| Lumen     | Central cavity of a blood vessel                        |

■ EXAM TIP: A = Away (arteries). Veins have VALVES. Capillaries = one cell thick. Link each structural feature to its function for full marks.