

## KEY FACTS

- Double circulation: pulmonary (heart↔lungs) + systemic (heart↔body)
- Left ventricle: thicker walls → pumps to whole body at higher pressure
- Arteries: thick walls, away. Veins: valves, toward. Capillaries: one cell thick, exchange.

## EQUATIONS / FORMULAS

**Cardiac output** ★:  $\text{Heart rate} \times \text{Stroke volume (cm}^3/\text{min)}$

## KEY TERMS

<b>Double circulation</b>	Two circuits — keeps oxygenated/deoxygenated blood separate
<b>Cardiac output</b>	Volume blood pumped per minute

■ EXAM TIP: LEFT → BODY (thicker walls). RIGHT → LUNGS. Cardiac output = heart rate × stroke volume.