

Solutions

Each answer shows the steps, then the **result**.

2.1

- three parts: a **pump (heart)**, **blood vessels**, **valves**

2.2

- in a single circulation blood passes through the heart **once**

3.1 B

- in a double circulation blood passes through the heart **twice per trip**
- A is single; C and D are wrong

3.2

(a)

- blood is pumped again at **high pressure** before going to the body
- so it travels faster and **delivers oxygen quickly**

(b)

- valves keep the blood flowing **one way only**