

9 Blood vessels and blood – Part 2

—Answers

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Work through these after trying the questions yourself.

9.6 Arteries.

9.7 To stop the low-pressure blood flowing backwards.

9.8 So substances can pass quickly between the blood and the cells (a short distance).

9.9 Red blood cells, using haemoglobin.

9.10 They help the blood to clot, sealing a wound.

9.11 Any two: an artery has a **thick, muscular and elastic wall** to withstand the high pressure (it stretches and recoils to smooth the flow); and a relatively **narrow lumen** that helps keep the pressure high.