

9 The heart and circulation – Part 1

— Answers

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Work through these after trying the questions yourself.

9.1 A pump (the heart), blood vessels, and valves.

9.2 The blood passes through the heart twice on each trip around the body.

9.3 Right atrium, left atrium, right ventricle, left ventricle.

9.4 It has to pump blood all the way around the body, at high pressure.

9.5 It keeps oxygenated and deoxygenated blood apart (separates the left and right sides).

9.6 The left ventricle pumps blood **all round the body** at high pressure, so it needs a thick, muscular wall. The right ventricle only pumps to the nearby **lungs** at lower pressure, so its wall is thinner.