

# 9 The heart and circulation – Part 1

## —Answers

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### 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.