

5 The atom – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

5.1 Protons and neutrons.

5.2 (a) $+1$ \ (b) -1 .

5.3 (a) 79 protons \ (b) $197 - 79 = 118$ neutrons.

5.4 A positive ion.

5.5 Atoms of the same element (same number of protons) with different numbers of neutrons.

5.6 (a) protons = 11 (unchanged); (b) neutrons = $23 - 11 = 12$; (c) electrons = $11 - 1 = 10$ (it lost one).