

**STRUCTURE OF THE ATOM**

1. The three fundamental particles which make up atoms are protons, neutrons and electrons.

a) Which part of the atom contains protons and neutrons?

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b) Describe the way in which electrons are arranged in atoms.

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c) Draw a diagram of a lithium atom showing the number of each particle present.

d) State two ways in which the atoms of a particular element are the same as each other.

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2. Most carbon atoms may be represented by the symbol  ${}^{12}_{6}\text{C}$

a) State the name and explain the meaning of the number 12 in the symbol.

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b) State the name and explain the meaning of the number 6 in the symbol.

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