The structure of the Atom

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Democritus' concept of the atom
Structure of the ATOM

- Electron
- Proton
- Neutron

Nucleus
How many electrons, protons and neutrons?

Number of protons \( = Z \)

Number of Electrons \( = \) Number of protons \( = Z \)

Number of neutrons \( = A - Z \)
Q. The atomic number (Z) of an element is 11 and the atomic mass (A) is 23,

a) Identify the element

b) Find out the number of electrons, protons and neutrons