

(A simple model of the atom (protons, neutrons, electrons))

Q1.(2018)

This question is about the structure of the atom.

Complete the sentences.

Choose answers from the box.

Each word may be used once, more than once, or not at all.

[5 marks]

electron	ion	neutron
nucleus	proton	

The centre of the atom is the _____.

The two types of particle in the centre of the atom are the proton
and the _____.

James Chadwick proved the existence of the _____.

Niels Bohr suggested particles orbit the centre of the atom. This type of particle
is the _____.

The two types of particle with the same mass are the neutron
and the _____.

Q2.(2018)

An atom of iron is represented as ${}^{56}_{26}\text{Fe}$

Give the number of protons, neutrons and electrons in this atom of iron.

[3 marks]

Number of protons _____

Number of neutrons _____

Number of electrons _____