

ATOMIC STRUCTURE

WORKSHEET



1 The proton was discovered by?

- a) Ernest Rutherford
- b) Niels Bohr
- c) James Chadwick
- d) Henry Moseley

2 Which of the following statements about a neutron is incorrect?

- a) It has no electrical charge
- b) It is present in the nucleus of an atom
- c) It has a mass greater than that of a proton
- d) It determines the chemical properties of an element

3 Give the electronic configurations of the following ions?

- a) Li^+
- b) O^{2-}
- c) Cl^-
- d) Al^{3+}

4 Isotopes are two atoms that have?

- a) The same atomic number but different mass numbers
- b) The same mass number but different atomic numbers
- c) The same number of neutrons but different protons
- d) The same number of protons and neutrons