

Exemplar Problems

Q. 5 Which of the following statements about the electron is incorrect?

- (a) It is a negatively charged particle
- (b) The mass of electron is equal to the mass of neutron
- (c) It is a basic constituent of all atoms
- (d) It is a constituent of cathode rays

Ans. (b) The mass of electron is very small as compared to the mass of the neutron.

Mass of electron = 9.1×10^{-31} kg

Mass of neutron = 1.67×10^{-27} kg