

Exemplar Problem 3'

Q) 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: Mass of electron = 9.1×10^{-31} kg.

Mass of neutron = 1.674×10^{-27} kg.

As, we can see that mass of electron is very small compared to neutron i.e. mass of them are not equal.

— Hence option b is correct.