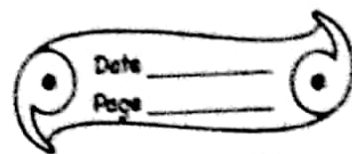


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Assignment



(1) Mention any three properties of electrons.

Ans → * Electrons are negatively charged particles.

* The mass of the electron is $\frac{1}{1836}$ times lesser than the mass of proton and neutron.

* An electron has an electric charge of -1.602×10^{-19} (coulombs) which is equal and opposite to the charge of a proton.

(2) Explain how was protons discovered?

Ans → In 1909, the Rutherford was discovered proton.

Protons are positively charged particles that reside in the nucleus of an atom. The discovery of protons can be attributed to Rutherford.

In 1886 Goldstein discovered existence of positively charged rays in the discharge tube by using perforated cathode. These rays were named as anode rays or canal rays.

(3) who discovered neutron?

Ans → James Chadwick discovered the neutron.

(4) what are canal rays?

Ans → Positively charged radiations are called canal rays.