

HW

1. Mention any three properties of electrons

Ans * Electrons are negatively charged particles

* The mass of the electron is $\frac{1}{2000}$ times lesser than the mass of proton and ~~neutro~~ neutron.

* An electron has an electric charge of -1.602×10^{-19} coulombs.

2. Explain how was protons discovered.

Ans * Existence of proton was shown by E. Goldstein.

* Electricity was passed in discharge tube at high voltage through a gas at low pressure taken in tube.

* Streams of particles came out of anode also known as anode rays which were stream of positive charge.

3. Who discovered neutron?

Ans Chadwick discovered neutron.

4. What are canal rays?

Ans Canal rays are streams of positively charged particles which move towards the negative electrode in a discharge tube when high voltage electricity is passed through a gas at very low pressure taken in the discharge tube.