



KALPAVRUKSHA MODEL SCHOOL

Answers of Assignments-1

Class: VIII

Sub: Physics

Date: 2.07.2021

Topic: Some natural phenomena

I. Answer the following questions:

1. Name the two charged particles in an atom.

ANS: The two charged particles in an atom are protons and electrons.

2. Give any three methods of charging an object.

ANS Charging by friction, charging by conduction and charging induction are the methods of charging objects.

3. What you mean by a charging object.

ANS: The process of giving electric charge to an object is called charging the object.

4. Define atom.

ANS: An atom is a particle of matter that uniquely defines a chemical element. An atom consists of a central nucleus that is usually surrounded by one or more electrons. Each electron is negatively charged. The nucleus is positively charged, and contains one or more relatively heavy particles known as protons and neutrons.

5. Write one difference between charged and uncharged objects.

ANS:

Charged object	Uncharged object
1. Charged objects have an imbalance of charge - either more negative electrons than positive protons or vice versa	1. Uncharged objects have a balance of charge - equal numbers of protons and electrons.

6. Define proton, neutron and electron.

ANS: Proton – The positively charged particles in an atom.

Electron – The negatively charged particles in an atom.

Neutron – Nor positive or negative charge.

