



KALPAVRUKSHA MODEL SCHOOL

Answers of Online Class Assignments

Class: VIII

Sub: Physics

Date: 21.08.2021

Topic: SOME NATURAL PHENOMENA

I. Answers:

1. What name is given to the flash of light which occurs in the sky during the rainy season?

ANS: Lightning is the name given to the flash of light which occurs in the sky during the rainy season.

2. An inflated rubber balloon and a woolen cloth are rubbed together. What type of charge is acquired by woolen cloth and rubber balloon?

ANS: The rubber balloon becomes negatively charged when rubbed with a woolen cloth. The woolen cloth acquires a positive charge.

3. Define electroscope.

ANS: An electroscope is a scientific tool which helps in detecting the presence of an electric charge on a body.

4. Like charges repel each other. Justify the statement with one example.

ANS: When we charge a balloon by rubbing on our hair and take it near another balloon which has also been charged in a similar way, both balloons being negatively charged repel each other. This happens because charges repel each other and unlike charges attract to each other.

II. CHOOSE THE CORRECT ANSWERS:

1. The two bodies are rubbed against each other _____.
a. They acquire equal and similar charges
b. They acquire equal and opposite charges
c. They acquire unequal and opposite charges
d. None of these

ANS: b. they acquire equal and opposite charges

2. When an object gets negatively charged by the process of friction, then_____.
- a. the object loses some electrons and gains some proton
 - b. the object loses some protons and gain some electron
 - c. the object gain some electron
 - d. the object gain some protons
- ANS: c. the object gain some electron**

3. Which of the following cannot be charged by friction, if held by hand?
- a. a plastic scale.
 - b. a copper rod
 - c. an inflated balloon
 - d. a woolen cloth
- ANS: b. a copper rod**

4. like charges_____ : unlike charges_____.
- a .repel, repel
 - b. attract, repel
 - c. repel, attract
 - d. attract, attract
- ANS: c. repel, attract**

5. The object which loses negatively charged electrons during rubbing acquires _____electric charges.
- a. positive
 - b. negative and positive
 - c. negative
 - d. none of these
- ANS: a. positive**