

Chapter-5

Worksheet-2

Section 1

- Q1. Explain why a charged body loses its charge if we touch it with our hand.
- Q2. Sometimes, a crackling sound is heard while taking off a sweater during winters. Explain.
- Q3. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?
- Q4. Describe with the help of a diagram an instrument which can be used to detect a charged body.
- Q5. Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself?
- Q6. The weather department has predicted that a thunderstorm is likely to occur on a certain day. Suppose you have to go out on that day. Would you carry an umbrella?
- Q7. How does the Electric Eel use the electric discharge?
- Q8. To make the house quake safe, what precautions should be taken?
- Q9. How are positive and negative charges produced during a thunderstorm?
- Q10. How is electric discharge fatal for human beings ?

Section 2

- Q11. Which of the following is a negative charged particle?

- a) Electron
- b) Proton
- c) Neutron
- d) All of these

Q12. What is the nature of the force which is experienced between an electron and a proton?

- a) Force of attraction
- b) Force of repulsion
- c) No Force is experienced
- d) Both a and b.

Q13. Which one of the following devices is used to detect electric charge on an object?

- a) Seismometer
- b) Seismograph
- c) Richter scale
- d) Electroscope

Q14. Lightning is the phenomenon caused by

- a) Charges produced in clouds
- b) Sudden movements of tectonic plates
- c) Volcanic eruption
- d) All of these

Q15. The place inside the earth's crust where the earthquake is generated is known as _____ of the

earthquake.

- a) Epicenter
- b) Focus
- c) Disc
- d) All of these

Q16. The process of transferring charge from a charged body to earth is called

- a) Transferring
- b) Processing
- c) Charging
- d) Earthing

Q17. If an object is rubbed with another object, the object which gains electrons:

- a) Becomes negatively charged
- b) Becomes positively charged
- c) Remains neutral
- d) All of these

Q18. A major earthquake occurred on 26th January 2001 in which part of India?

- a) Uri
- b) Mumbai
- c) Guwahati

d) Bhuj

Q19. During lightning actually _____ takes place

- a) Electric discharge
- b) Electric charging
- c) Electric charge accumulation
- d) All of the above

Q20. It is a convention to call the charge acquired by a glass rod when it is rubbed with silk as

- a) Negative
- b) Positive
- c) Neutral
- d) Can be any one