

Name: _____ Date: _____

Some Natural Phenomena

Q1. When a charged refill is touched with the metal top of an electroscope, its aluminium leaves diverge. Give reason.

Ans. _____

Q2. What happens when plates brush past one another, or a plate goes under another due to collision?

Ans. _____

Q3. 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? Explain.

Ans. _____

Q4. Sometime, a crackling sound is heard while taking off sweater during winters. Explain.

Ans. _____

Some Natural Phenomena

Q1. When a charged refill is touched with the metal top of an electroscope, its aluminium leaves diverge. Give reason.

Ans. The aluminium foil strips receive the same charge from the charged refill through the paper clip. The strips carrying similar charges repel each other and they become wide open.

Q2. What happens when plates brush past one another, or a plate goes under another due to collision?

Ans. When plates brush past one another, or a plate goes under another due to collision, they cause disturbance in the earth's crust. It is this disturbance that shows up as an earthquake on the surface of the earth.

Q3. 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? Explain.

Ans. Carrying umbrella is not a good idea at all during thunderstorms because lightning may strike the top end of the metal rod of umbrella and harm us.

Q4. Sometime, a crackling sound is heard while taking off sweater during winters. Explain.

Ans. When we take off a woolen (or synthetic) sweater, it rubs against our shirt. Due to rubbing, opposite electric charges develop on them, which attract each other. The discharge of these electric charges produces tiny sparks of light as well as crackling sound.