

Name: _____ Date: _____

Some Natural Phenomena

Q1. What are the various effects of an earthquake?

Ans. _____

Q2. What will you do to protect yourself from lightning if you are in an open field?

Ans. _____

Q3. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?

Ans. _____

Some Natural Phenomena

Q1. What are the various effects of an earthquake?

Ans. The various effects of an earthquake are:

- i. They can cause immense damage to buildings, bridges, dams and people. There can be a great loss to life and property.
- ii. The earthquakes can cause floods, landslides and tsunamis.
- iii. A major tsunami occurred in the Indian Ocean on 26th December 2004. All the coastal areas around the ocean suffered huge losses.

Q2. What will you do to protect yourself from lightning if you are in an open field?

Ans. If no shelter is available and we are in an open field, we should stay far away from all trees. We should stay away from poles or other metal objects. We should not lie on the ground instead we should squat low on the ground. We should place our hands on our knees with our head between the hands. This position will make us the smallest target to be struck.

Q3. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?

Ans. A charged balloon is repelled by another charged balloon because both the balloons have same type of charges and like charges repel each other. Whereas an uncharged balloon is attracted by another charged balloon because charged balloon induces opposite charges in the nearer end of the uncharged balloon by electric induction and unlike charges attract each other.