

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Some Natural Phenomena

Q1. State True (T) or False (F).

- i. Like charges attract each other. \_\_\_\_\_
- ii. A charged glass rod attract a charged plastic straw. \_\_\_\_\_
- iii. Lightning conductor cannot protect a building from lightning. \_\_\_\_\_
- iv. Earthquakes can be predicted in advance. \_\_\_\_\_
- v. An earthquake of magnitude 6 has thousand times more destructive energy than an earthquake of magnitude 4. \_\_\_\_\_
- vi. Earthquakes tend to occur at the boundaries of earth's plates. \_\_\_\_\_

Q2. Fill in the blanks.

- i. The \_\_\_\_\_ of earth's crust are in continual motion.
- ii. Like charges \_\_\_\_\_ and unlike charges \_\_\_\_\_ each other.
- iii. In an electroscope, the aluminium leaves diverge because like charges \_\_\_\_\_.
- iv. \_\_\_\_\_ is provided in buildings to protect us from electrical shocks due to any leakage of electrical current.
- v. \_\_\_\_\_ is also an electric spark, but on a huge scale.
- vi. The outermost layer of the earth is not in one piece. It is fragmented. Each fragment is called a \_\_\_\_\_.

Q3. List three states in India where earthquakes are more likely to strike.

Ans. \_\_\_\_\_

Q4. How will you charge a glass rod by the method of friction?

Ans. \_\_\_\_\_

## Some Natural Phenomena

Q1. State True (T) or False (F).

- i. Like charges attract each other. **F**
- ii. A charged glass rod attract a charged plastic straw. **T**
- iii. Lightning conductor cannot protect a building from lightning. **F**
- iv. Earthquakes can be predicted in advance. **F**
- v. An earthquake of magnitude 6 has thousand times more destructive energy than an earthquake of magnitude 4. **T**
- vi. Earthquakes tend to occur at the boundaries of earth's plates. **T**

Q2. Fill in the blanks.

- i. The plates of earth's crust are in continual motion.
- ii. Like charges repel and unlike charges attract each other.
- iii. In an electroscope, the aluminium leaves diverge because like charges repel.
- iv. Earthing is provided in buildings to protect us from electrical shocks due to any leakage of electrical current.
- v. Lightning is also an electric spark, but on a huge scale.
- vi. The outermost layer of the earth is not in one piece. It is fragmented. Each fragment is called a plate.

Q3. List three states in India where earthquakes are more likely to strike.

**Ans. Gujarat, Kashmir, Rajasthan**

Q4. How will you charge a glass rod by the method of friction?

**Ans. A glass rod can be charged by rubbing it with silk cloth.**