INDIAN SCHOOL NIZWA - WORKSHEET

SCIENCE

CH:15- SOME NATURAL PHENOMENA

Name: _____ Date:_____ Class: VIII Sec: ___

I **Multiple Choice Questions:**

1. An electroscope is a device which is used to find if an object is
   (a) charged (c) free of cracks
   (b) magnetic (d) hot
2. Electric current is to be passed from one body to another. For this purpose the two bodies must be joined by
   (a) cotton thread (c) copper wire
   (b) plastic string (d) rubber band
3. The movement of the earth's plates causes
   (a) cyclones (c) earthquakes
   (b) lightning (d) thunderstorms
4. Which of the following is not likely to cause Tsunami?
   (a) A major nuclear explosion under sea
   (b) Earthquake
   (c) Volcanic eruption
   (d) Lightning
5. The outermost layer of earth is called
   (a) mantle (c) crust
   (b) outer core (d) inner core

II **Answer the following:**

6. During the construction of a building the lightning conductor was left hanging in the air by mistake. Would the lightning conductor be still effective? Explain.
7. If the materials used for constructing a building were good conductors, do you think lightning will strike the building. Will the lightning conductor be still required to be installed in the building?
8. In an electroscope if a negatively charged body is brought in contact with the metal clip, the strips of the electroscope diverge. If now another charged object carrying equal amount of positive charge is brought in contact with the clip, what will happen? Why?
9. The strips of an electroscope diverge when a charged body is brought in contact with the metal clip. Now the clip is touched gently by our hand. What will happen to the strips? Explain.
10. If the metal clip used in the electroscope is replaced by an ebonite rod and a charged body is brought in contact with it, will there be any effect on the aluminium strips? Explain.
11. The aluminium strips in an electroscope are replaced by plastic strips and a charged body is brought in contact with the metal clip. What will happen? Why?
12. Explain how lightning conductor protects a building from getting struck by lightning.