

L-15

Some Natural Phenomena

Q.1 Fill in the blanks :

- a) A device which is used to test whether an object is carrying charge or not is known as _____.
- b) The process of transferring of charge from a charged object to the earth is called _____.
- c) _____ is a device used to protect buildings from the effect of lightening.
- d) Negative and positive charges meet, producing streaks of bright light and sound in clouds, this process is called an _____.
- e) The power of an earthquake is expressed in terms of a magnitude on a scale called the _____.

Key words :- Richter scale, electroscope, earthing, lightening conductors, Electric discharge

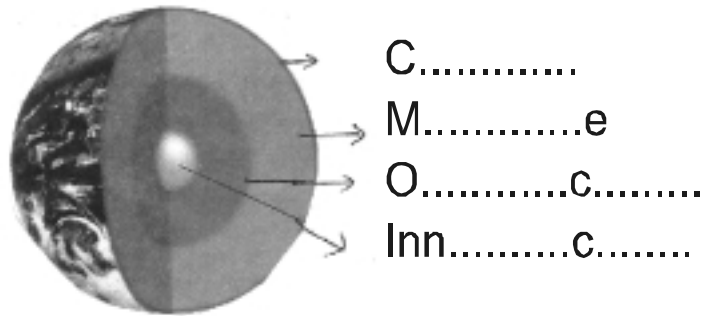
Q.2 Write the following sentences in the correct boxes.

- a) Carrying an umbrella is a good idea during thunderstorms.
- b) Open cars are not safe.
- c) Stay far away from all trees.
- d) Lie on the ground.
- e) Squat low on the ground.
- f) Don't touch electrical wires and metal pipes
- g) Use mobile phones.
- h) Bathing should be avoided.

Do's during a thunder storm

Don'ts during a thunderstorm

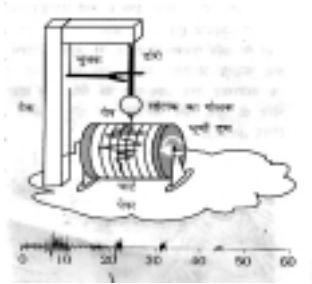
Q.3 Label the following diagram



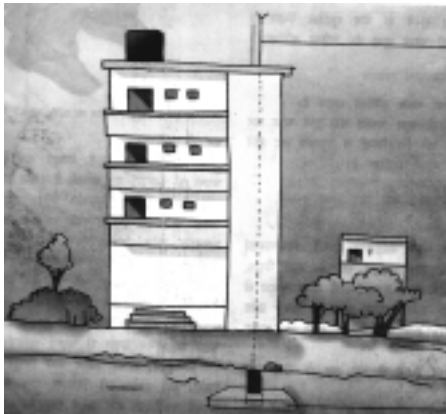
Structure of the earth

Q.4 Name the following instruments.

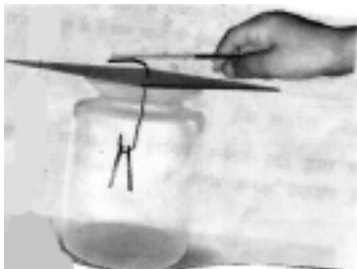
a)



b)



c)



Q.5 Here are a few precautions to make 'Quake safe' buildings. Write 'true' in front of the right statement and 'false' in front of the wrong statement.

- a) Consult qualified architects and structural engineers. _____.
- b) In highly seismic area, the use of mud or timber is good. _____.
- c) In highly seismic area, the use of heavy construction material is good. _____.
- d) It is better if the cup boards and shelves are fixed to the walls. _____.
- e) All buildings, especially tall buildings, have fire fighting equipments in working order. _____.