

Grade- VII

PHYSICS

Q1 Fill in the blanks

- a. Electroscope
- b. Earthling
- c. Lightning conductors
- d. Electric discharge
- e. Richter scale

Q2 . Write the following sentences in the correct boxes.

Do's during the thunder storm

- 1 Carrying an umbrella is a good idea during thunderstorms.
- 2 Stay far away from all trees.
- 3 Squat low on the ground.

Don'ts during the thunder storm

1. Open cars are not safe.
2. Lie on the ground.
3. Don't touch electrical wires and metal pipes
4. Bathing should be avoided
5. Use mobile phones.

Q3. Label the parts

1. Crust
2. Mantel
3. Outer core
4. Inner core

Q4.

- a. A typical srismograph record

- b. Lightning conductor
- c. A simple electroscope

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. True
- b. True
- c. False
- d. False
- e. True

BIOLOGY

I. Fill in the Blanks

- 1. Kidney
- 2. Circulatory system
- 3. Phloem
- 4. Deoxygenated blood
- 5. William Harvey

II.

- 1. The heart has four chambers
 - 2 Atria's and
 - 2 Ventricles
- 2.
 - Supply oxygen to cells in tissues
 - Provide essential nutrients to cells.
- 3. Blood passes through the heart twice per circuit.
- 4. The sticky liquid part of the blood, containing 90% of water is called plasma.

5. Pulse rate will increase or decrease from normal rate if a person is not well.
6. Valves prevent the back flow of blood between chambers of heart.
7. Arteries carry blood at a very high pressure due to pumping action of heart hence, the need of thick walls.
8. Yes, skin is an excretory organ as it secretes waste products by releasing sweat from the surface.
9. Bladder stores the excretory product released after filtration from kidney and excrete it out at specific times.
10. Food , water and oxygen are the products that are carried by blood to every part of the body.