

**Grade- VIII**

**PHYSICS**

1. Solution: Except sugar solution all will conduct electricity.
2. A disturbance such as an earthquake, landslide, volcanic eruption, or meteorite impact can generate a series of waves in an ocean or other body of water. Undersea earthquakes occur around tectonic plates and faults cause the water above to be moved up or down. When movement along a fault moves the seafloor upward, water is also pushed upward and becomes tsunami waves. As the waves approach shallower water, they become higher
3. An electroscope is a device based on the principle that electric charge can be transferred from a charged object to another through a metal conductor. The strips within an electroscope get charged negatively by conduction when touched with an ebonite rod. So two strips repel each other and open out (repulsion is the confirmatory test for charged body)

The gold leaf electroscope is used for

- to detect and measure charge on a body.
- to find the nature of charge on a body.

4. In the situation of regular reflection all the rays of light that fall on a smooth reflecting surface, bounce back along a particular direction. So, a smooth surface gives a sharp and clear image.

When light rays fall on an irregular/rough surface, they bounce back in different directions. As a result, the reflected light falls over a larger area and the image formed in case of diffused reflection is not sharp and clear.

5. The time period between two consecutive full moons is named as a month according to Indian calendars. It is approximately 29 days, 11 hours and 43 minutes. This is also

called a lunar month called a lunar month. In other words the time from one new moon to next or from one full moon to the next constitutes a lunar month.

6. Aluminum reacts with the citric acid present in the lemon pickle. Hence, lemon pickles can't be stored in aluminum
  
7. Nylon is the first fully synthetic fiber. The name nylon was derived from New York (NY) and London (LON) as it was being produced in New York and London at the same time
  
8.
  - I. Coal or LPG
  - II. Petroleum

# BIOLOGY

## I. Fill in the blanks

1. Salivary glands
2. Liver
3. Chewing and mixing
3. Pancreas
4. Gastric gland

## II.

1. The process of achieving food is called mastication
2. Enzymes are bio-catalyst that helps in digestion of food
3. The mechanism of breaking down complex organic food into simpler formed by the action of enzyme is called digestion.
4. Liver - Bile salts

## III.

Name enzymes released from glands

Salivary gland       $\longrightarrow$       salivary gland

Gastric gland       $\longrightarrow$       pepsin

Pancreas       $\longrightarrow$       pancreatic

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**BIOLOGY**

**I. Fill in the blanks**

1. Plants
2. Angora
3. Sexual reproduction
4. Cotton
5. Respiration
6. Cells

**II.**

1. Nutrition is the process of providing for obtaining the food necessary for health and growth
2. Stomata
3. Chewing or mastication is the process by which food is crushed and grounded by teeth.
4. Sericulture is the production of silk and the rearing of silkworms.
5. Loamy soil

**III.**

**1.**

**Weaving**

- 1 Woven fabrics are produced by the interlacing into two types of threads.
- 2 Yarn preparation is must.

**2.**

**Arteries**

- Carry blood from the heart
- Carries oxygenated blood.
- Arteries are reddish in colour

**3.**

**Breathing**

- Process of obtaining Oxygen and releasing carbon dioxide
- Physical process

**knitting**

- 1 Knitting fabrics are produced by set of connected loops from series of yarns.
- 2 Yarn preparation is not necessary.

**veins**

- carry blood to the heart
- carries deoxygenated blood
- veins are bluish in colour.

**Respiration**

- Process of releasing energy from food.
- Biochemical process

4. Adolescents should choose variety of health ful foods, such as protein source, low fat dairy products, whole grains, fruits and vegetables.

IV.

**1. Functions of phloem**

- Phloem transports food for the plant
- It also transport nutrients

**2. Importance of forest**

- They provide medicinal herbs
- They provide wood , food
- They help in rainfall
- They maintain temperature of environment
- They also help in increase in fertility of the soil.

**3. Diagram flower and its parts**

