

Grade- VII

**PHYSICS**

1. Ceiling fan
2. As they move on 2 mountains, there will be increasing in the altitudes. If altitude increases then level of the oxygen decreases so, it is difficult to breathe on mountains.
3.  
Composition of air  
Nitrogen - 78%  
Oxygen - 21%  
Carbon dioxide and other gases - 1 %  
Carbon dioxide - 0.03 %
4.  
Temperature  
Area  
Humidity  
Wind
5.  
**Wind**            Slow moving air is called wind  
**Breeze**           A gentle wind is known as breeze  
**Strom**            Mild wind which causes destructions or damages is known as Strom.
6.  
During daytime, sea breeze is taking place.  
During night time, land breeze is taking place.
7.  
Earthquake  
Thunderstorm  
Cyclone
8.  
Maturity all natural disasters occurs due to the uneven heating of Earth.

9.

1. Air is made up of gases
2. It has mass and occupies space
3. Air exerts pressure
4. Air can be compressed
5. It is transparent

10.

Burning of fuel takes place in factories, which it produces smoke which contains a few harmful gases and fine dust particles. The chimneys in factories take the harmful smoke and gases away from us.

11.

Oxygen plays very important role in our daily life.

Ozone, it provides blanket in the atmosphere which protects us from harmful UV radiation emitted by sun.

It is used for breathing.

12. If any substances catch fire, it will become difficult to extinguish the fire, as oxygen supports combustion.

### **Fill in blanks**

- a. Energy
- b. Dirt
- c. Winnowing
- d. Fertilizers
- e. Compressed
- f. Soil

## **BIOLOGY**

### **I. Fill in the blanks**

1. Gills
2. Exchange of gases
3. Salivary glands
4. Food vacuole
5. Bisexual flower

## **II. How the following animals do takes in their food?**

1. Hydra - tentacles
2. Paramecium - cilia
3. Frog - Tongue
4. Butterflies and house flies - maxillae

## **III.**

1. The involves both male and female gamets fuse to form a zygote.
2. The process of providing or obtaining the food require for growth and development.
3. Mushroom
4. Parallel venation

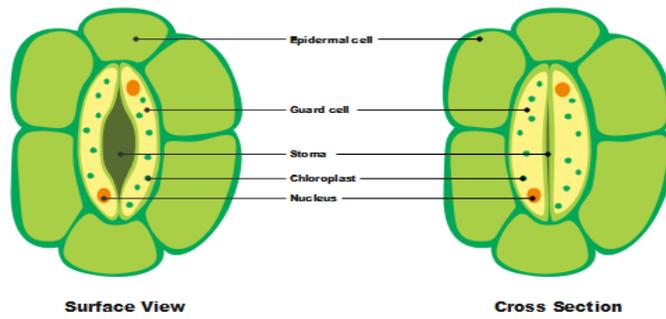
## **IV.**

1. Carbohydrates, proteins , fats, vitamins and minerals
2. Forest provides food fusion and bioproducts.  
Forest helps in increase in fertility of soil.  
They help in rainfall  
Forest maintains temperature of environment.
3. Plants require nutrition for growth by obsorbing soil nutrients, water and carbon dioxide.
4. Chloroplast
5. Hinge joint formed between two or more bones which move along one axis  
Eg: elbow , knee joints

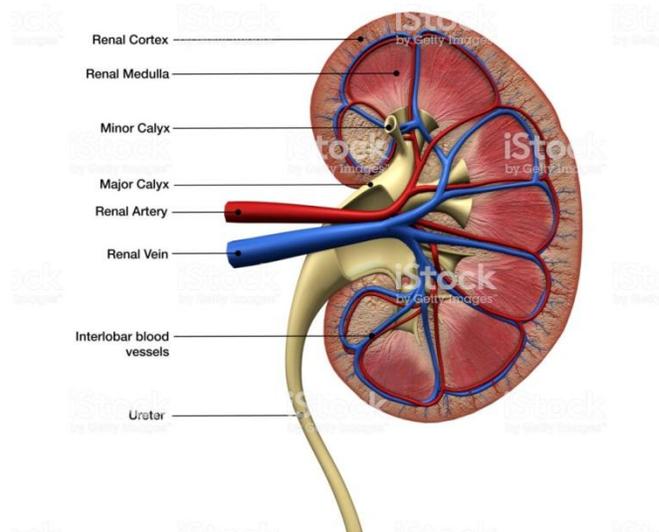
## **V.**

Stomata – diagram

## Stomata Diagram



## Kidney - diagram



## Amoeba – diagram

# AMOEBA

