

Board- ICSE

Std- 7<sup>th</sup>

Topic- photosynthesis and Respiration

**Q.1 What is external respiration ?**

**Q.2 Write the equation showing the process of respiration.**

**Q.3 In what form is the energy released during respiration stored ?**

**Q.4 Name the two types of respiration.**

**Q.5 Name the organ of respiration in fishes.**

**Q.6 What are the holes on the sides of the body of insects called ?**

**Q.7 What is the muscular sheet below the lungs called ?**

**Q.8 Which membrane covers the lungs ?**

**Q.9 Where does exchange of gases takes place ?**

**Q.10 What is formed when oxygen combines with haemoglobin ?**

**Q.11 What is carbamino hemoglobin ?**

**Q.12 Tick the most appropriate answer.**

**1. The products of respiration are :**

- a. carbon dioxide and oxygen
- b. oxygen and energy
- c. carbon dioxide, water and energy
- d. carbon dioxide, oxygen and energy.

**2. Glucose is oxidized to produce ethyl alcohol during**

- a. excretion
- b. aerobic respiration
- c. anaerobic respiration
- d. photosynthesis

**3. In insects like grasshopper, there is a well-developed system of air tubes called**

- a. tracheae
- b. gills
- c. lungs
- d. alveoli

**4. Frogs breathe through the**

- a. moist skin
- b. lungs
- c. mouth cavity
- d. all of these

**5. Inside the chest, the trachea divides into two branches called**

- a. bronchi
- b. bronchioles
- c. bronchus
- d. alveolus

**6. In human beings, during inhalation the diaphragm.**

- a. moves up
- b. moves down
- c. remains at its position
- d. moves down moves up

**7. Exhaled air contains**

- a. more carbon dioxide
- b. more oxygen
- c. more nitrogen
- d. more hydrogen

**8. Plants have these for exchange of gases.**

- a. spiracles and stomata
- b. lenticels and spiracles
- c. lenticels and stomata
- d. buds and flowers

**Q.13 .Fill in the blanks.**

1. The two types of respiration are \_\_\_\_ and \_\_\_\_\_.
2. Muscles of human beings switch to anaerobic \_\_\_\_\_ in the absence of oxygen.
3. In \_\_\_\_\_ respiration, food is completely oxidized into carbon dioxide, water and energy.
4. Below the lungs is a muscular sheet called \_\_\_\_\_.
5. Bronchi divide into smaller tubes called \_\_\_\_\_.
6. In human beings, exchange of gases takes place in \_\_\_\_\_

**Q.14 State if the following statements are true or false. Correct the statement if it is false.**

1. The oxidation of food to release energy and water is called breathing.
2. Anaerobic respiration takes place in our bones
3. The microscopic air sacs present in the lungs are called bronchi.
4. Respiration that takes place through skin is called pulmonary respiration
5. Stomata are present on mature roots and woody stems.
6. In photosynthesis oxygen is released as a by-product True

**Q.15 .Differentiate between**

- (i) aerobic respiration and anaerobic respiration.
- (ii) External respiration and Internal respiration
- (iii) Photosynthesis and Respiration