



KALPAVRUKSHA MODEL SCHOOL

Answers Assignments - 1

Class: VII

Sub: Biology

Date: 21.08.2021

Topic: Respiration in organisms

I. Answer the following questions:

1. Differentiate between inhaled air and exhaled air.

Ans:

S No	Inhaled air	Exhaled air
1	The intake of air rich in oxygen is called inhalation.	Giving out air rich in carbon dioxide is called exhalation.

2. How do unicellular organisms respire?

Ans: Unicellular organisms respire by the process called diffusion.

3. What are the different respiratory systems in animals?

Ans: The animals respire by different modes:

a. Through skin

b. Through air holes

c. Through gills

d. Through lungs



4. Differentiate between breathing and respiration.

S No	Breathing	Respiration
1	It is the process of inhalation and exhalation. It is a physical process. No chemical reaction takes place; only an exchange of gases is involved.	It is a series of chemical reactions that result in the release of energy by the oxidation of food molecules.
2	No enzymes or other catalysts are involved.	Enzymes and other catalysts are involved.
3	It takes place outside the cells.	It takes place inside the cells.
4	No energy is released during this process.	Energy is released during this process.

5. Explain how the insects breathe through air holes.

Ans: In animals such as insects, there are several holes called spiracles in the body. Air enters an insect body through these spiracles and is carried through tubes called tracheal tubes. Oxygen is absorbed inside the body and carbon dioxide rich air is sent out through these spiracles.

