

L-10

Respiration in Organisms

Q.1 Fill in the blanks :

1. The process of breaking down of food in the cell with the release of energy is called _____. (Cellular / Anaerobic)
2. The taking in of air rich in oxygen into the body is called _____. (Inhalation / Exhalation).
3. The openings in a cockroach's body through which it takes in air in its body for respiration are called _____. (Nostrils / Spiracles)
4. The large muscular sheet which forms the floor of the chest cavity is called _____. (Diaphragm / Lungs).
5. The number of times a person breathes in a minute is termed as the _____ rate. (Breathing / Running)

Q.2 Correct the following statements by replacing the highlighted word :

1. Lungs are located in the buccal cavity : (Chest / Nasal)

Ans. _____

2. The type of respiration in which food is broken down without the use of oxygen is called aerobic respiration. (Cellular / Anaerobic)

Ans. _____

3. Humans are anaerobes. (Yeast / Dogs)

Ans. _____

4. Yeast respire anaerobically and yields water. (Fruit Juice / Alcohol)

Ans. _____

5. When we feel drowsy, our breathing rate increases. (Remains same / Slows Down)

Ans. _____

Q.3. Match the following :

- | Column I | | Column II |
|--|----|-----------------------------------|
| 1. Glucose (with oxygen) → | a. | 21% Oxygen, 0.04% Carbon Dioxide |
| 2. Glucose (Without Oxygen) → | b. | 16.4% Oxygen, 4.4% Carbon Dioxide |
| 3. Glucose in muscles (In the absence of oxygen) → | c. | Carbon Dioxide + water + energy |
| 4. Inhaled air | d. | Carbon Dioxide + Alcohol + Energy |
| 5. Exhaled air | e. | Lactic acid + Energy |

Answer :

1.	
2.	
3.	
4.	
5.	

Q.4 Complete the table :

How do they breathe ?

<ol style="list-style-type: none"> 1. Earthworm 2. Cockroach 3. Frog 4. Leaves 5. Fish 6. Humans 	
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Help Box

Skin	Lungs, Skin	Stomata
Teachea	Gills	Lungs