

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 ?

1. Earthworm	
2. Cockroach	
3. Frog	
4. Leaves	
5. Fish	
6. Humans	

Help Box

Skin	Lungs, Skin	Stomata
Teachea	Gills	Lungs