
10 : RESPIRATION IN ORGANISMS.

I. Fill in the blanks:

1. Breathing is a part of _____.
2. Breathing involves the movement of the _____ and _____.
3. The food has _____ which is released during respiration.
4. The accumulation of _____ causes muscle cramps.
5. Yeast can survive in absence of oxygen, they are called _____.
6. The taking in of air rich in oxygen into the body is called _____.
7. _____ is the food which is broken down in respiration to release energy.

II. Write true or false:

1. Cellular respiration takes place in all the cells of living organisms.
2. All living organisms respire to get energy from food.
3. Our muscle cells do anaerobic respiration only when there is temporary deficiency of oxygen.
4. Breathing involves the movement of the diaphragm and the rib cage.
5. Whales and dolphins have gills for breathing.
6. Gills are projections of the skin.
7. The percentage of carbon dioxide is higher in inhaled air in comparison to exhaled air.
8. We often feel hungry after a physical exercise.
9. Increased physical activity reduces the rate of breathing.
10. Elephants, snakes and birds have lungs for breathing.

III. Define the following:

1. Breathing .
2. Cellular respiration.

IV. Name the following:

1. Tiny pores on the surface of leaves for exchange of gases.
2. An organism with tracheal system.
3. Skeletal structures surrounding the chest cavity.
4. An aerobic organism .
5. The breathing organ of earthworm .
6. The openings through which we inhale.
7. The anaerobic organism used in production of beer and wine.

V. Answer the following :

1. Why do all animals respire? -2marks.
2. Describe the mechanism of breathing in humans. -5marks.
3. Describe the process of respiration in cockroach. -5marks.

VI. Draw and label:

1. The human respiratory system.
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