Name: _____ Date: _____

Respiration in Organisms

Q1. Why do we often sneeze when we inhale a lot of dust-laden air?

Ans. _____

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Q2. How do the plants breathe in oxygen?

Ans. _____

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Q3. What parts of the human body are involved in respiration?

Ans. _____

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Education with Fun

Respiration in Organisms

Q1. Why do we often sneeze when we inhale a lot of dust-laden air?

Ans. When we inhale a lot of dust-laden air, the particles get trapped in the hair present in our nasal cavity. However, sometimes these particles may get past the hair in the nasal cavity. Then they irritate the lining of the cavity, as a result of which we sneeze. Sneezing expels these foreign particles from the inhaled air and a dust free, clean air enters our body.

Q2. How do the plants breathe in oxygen?

Ans. In plants each part can independently take in oxygen from the air and give out carbon dioxide. Roots take in air present in the soil. Leaves have tiny pores called stomata through which they exchange gases. The breakdown of glucose in the plant cells is similar to that in other living beings.

Q3. What parts of the human body are involved in respiration?

Ans. We take in air through our nostrils. When we inhale air, it passes through our nostrils into the nasal cavity. From the nasal cavity, the air reaches our lungs through the windpipe. Lungs are present in the chest cavity. This cavity is surrounded by ribs on the sides. A large, muscular sheet called diaphragm forms the floor of the chest cavity. Breathing involves the movement of the diaphragm and the rib cage.