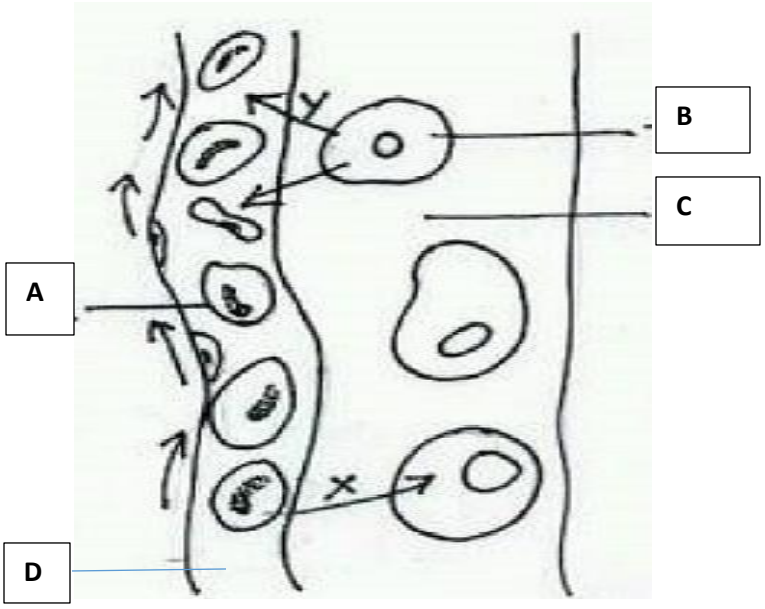
DELHI PUBLIC SCHOOL NEWTOWN

Respiratory System

CLASS 9

1. **Define respiration and write a balanced equation for the process of respiration. [2]**
2. **Where does Glycolysis and Krebs cycle take place? What are the products formed during Glycolysis and Krebs cycle? [2]**
3. **Answer the following questions: [1+2+1+2]**



   a. **Name the process shown in the above diagram?**
   b. **Label the gases marked as "X" and "Y".**
   c. **Name the compound formed when oxygen combines with haemoglobin.**
   d. **Label A to D.**

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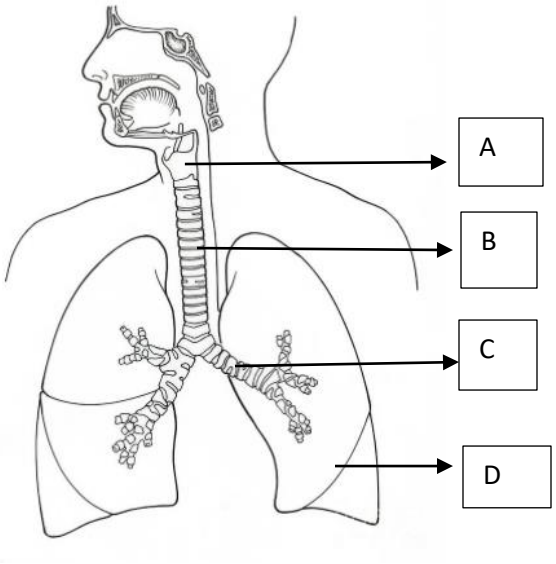
Respiratory System

CLASS 9

1. **Define anaerobic respiration and write a balanced equation of anaerobic respiration in animals. [2]**
2. **What do you understand by Tidal Volume? [1]**
3. **Differentiate between Inspiration and Expiration process on the basis of diaphragm. [1]**
4. **Answer the following questions: [2+2+2]**



   a. **Label A to D.**
   b. **Name the membrane covering D and name the fluid present in between the membranes.**
   c. **Mention the two ways carbon di oxide is carried from tissues to the lungs by the blood.**

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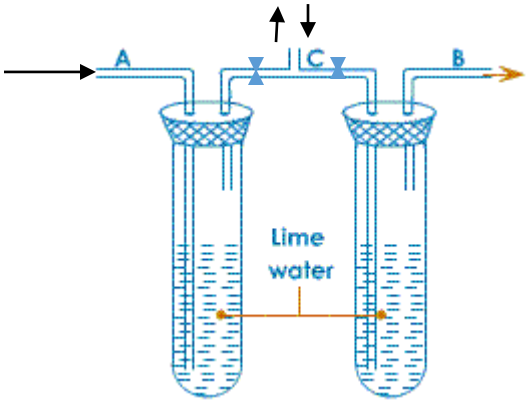
Respiratory System

CLASS 9

1. **Define aerobic respiration and write a balanced equation of aerobic respiration.** **[2]**
2. **Mention the difference between anaerobic respiration in plants and anaerobic repiration in animals on the basis of their products formed.** **[1]**
3. **Mention the full form of ATP.** **[1]**
4. **Why is ATP known as the energy currency of the cell?** **[1]**
5. **Answer the following questions:** **[1+2+2=5]**

Mouth



A **B**

i. **Mention the aim of the experiment.**

ii. **Which test tube will turn lime water more milky? Justify your answer with proper reason.**

iii. **Give reasons:**

1. **People climbing to high altitudes may suffer from dizziness and unsteady vision.**
2. **Rate of respiration higher in animals than in pants.**

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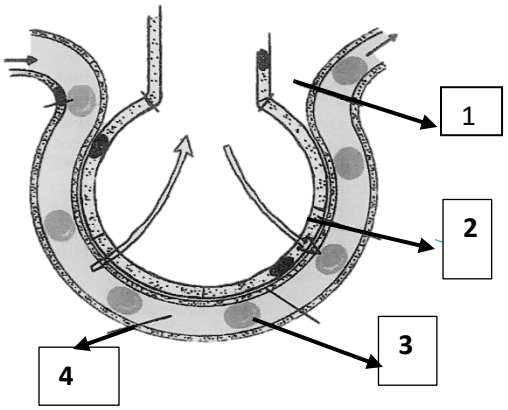
Respiratory System

CLASS 9

1. **Define respiration and represent with a balanced equation.** **[2]**
2. **Define Total lung capacity.** **[1]**
3. **Mention the full form of ATP.** **[1]**
4. **Name the compound formed when carbon dioxide reacts with haemoglobin.** **[1]**
5. **Study the given diagram and answer the following:** **[2+1+2=5]**



i. **Label 1 to 4.**
ii. **What part of the Human respiratory system is shown in the diagram?**
iii. **Explain briefly the mechanism depicted above.**