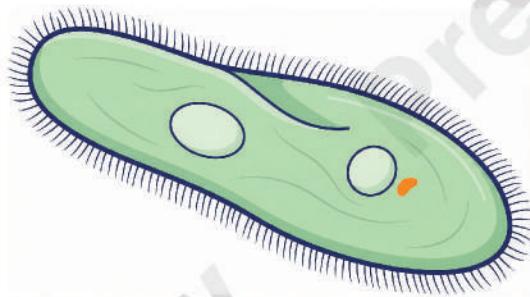


E. Amoeba and Paramecium -



Amoeba



Paramecium

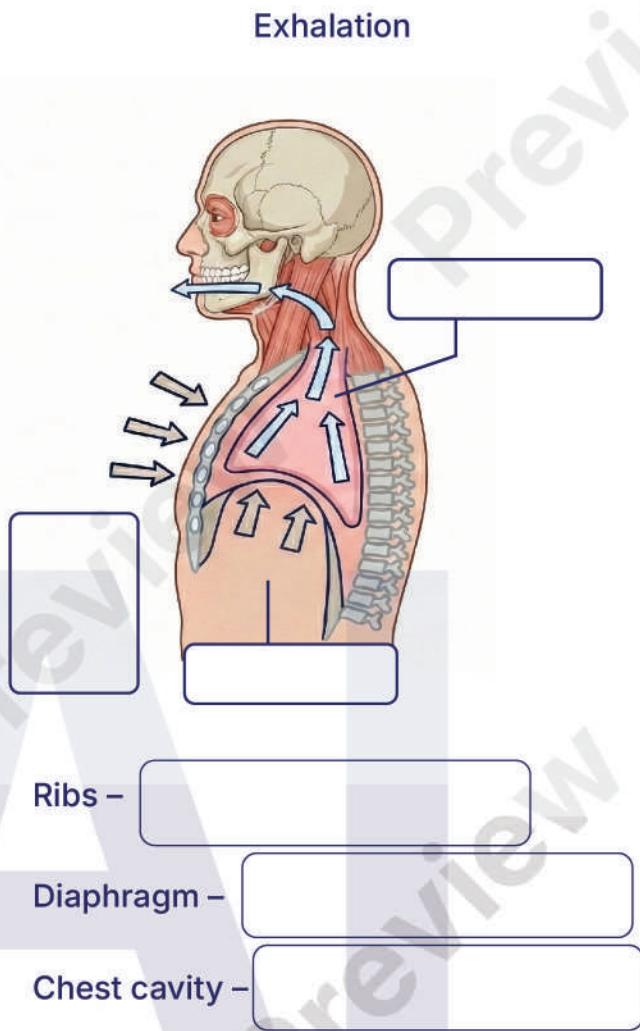
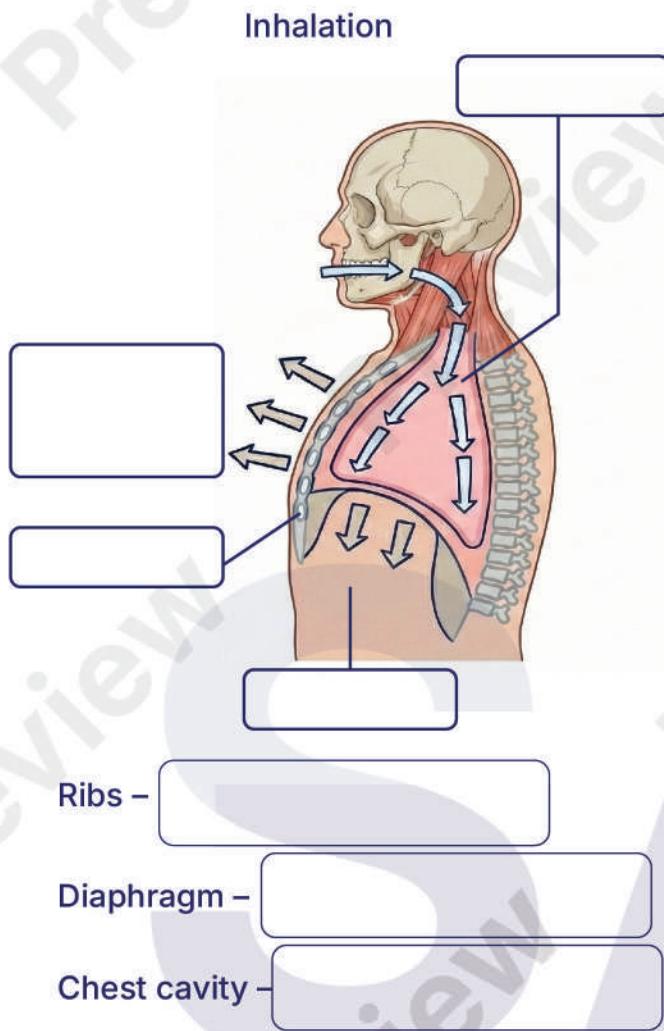
Movement

Formation of

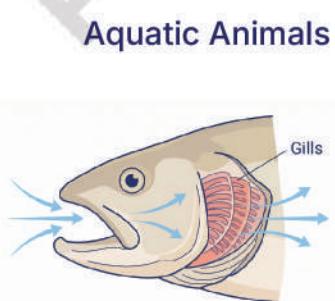
Digestion & Absorption

Egestion

04. Breathing Mechanism-



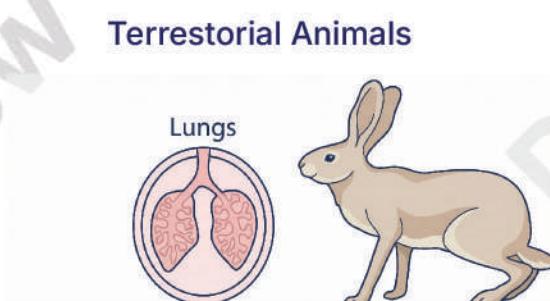
05. Rate of Breathing in-



Lives in -

Amount of O₂-

Breathing rate-



Lives in -

Amount of O₂-

Breathing rate-

G. Reaction Based Conceptual Questions

Q1. A brown substance X on heating in air forms a substance Y. When hydrogen gas is passed over heated Y, it again changes back into X.

- Name X & Y
- Write chemical equations

X =

y =

Q2. A metal salt MX when exposed to light splits up to form metal M and gas X. Metal M is used in ornaments and X is used in bleaching powder. The salt MX is used in black & white photography.

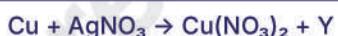
- Identify MX, M & X
- Write chemical equation

MX =

M =

X =

Q3. Complete the following questions -



Q4. A metal M reacts with an acid according to equation: $\text{M} + \text{H}^+ \rightarrow \text{M}^{2+} + \text{H}_2$ -

- Identify MX, M & X

M =

Q5. You heat a white powder in a test tube. A gas released turns lime water milky. A solid residue remains behind.

- Name the type of reaction
- Name of the Chemical Compound
- Name of the Gas Formed

| | | |
|--|--|--|
| | | |
|--|--|--|

B. Reactions of Acids — Concepts & Classification

01. Fill in the blanks-

Metal oxide + Acid → _____

- Metal oxides are _____ in Nature.

Acid + Metal → Salt + _____ (g)

- $Zn + HCl \rightarrow$ _____
- $Zn + HNO_3 \rightarrow$ _____

Neutralisation Reaction

- $NaOH + HCl \rightarrow$ _____

Why do acids glow bulbs?

Is CH_3COOH or H_2SO_4 produce same glow?



Acid + _____
→ Salt + $H_2O + CO_2$

- $Na_2CO_3 + 2HCl \rightarrow$ _____
- $MgHCO_3 + HCl \rightarrow$ _____

02. Answer the followings-



H_2 gas Test -



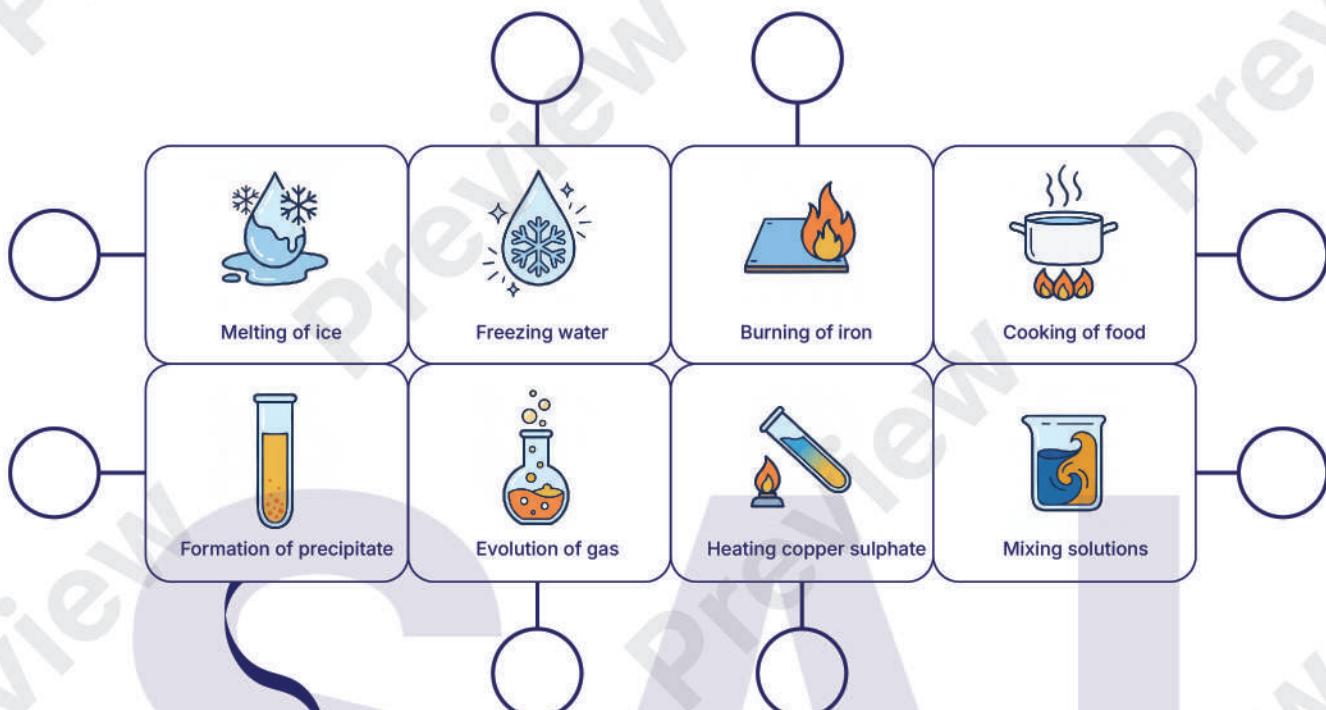
What happens if excess CO_2 is passed?

What colour change occurs and what new substances are formed?

Lime water formula

D. Chemical Reactions

01. Write **P** for Physical Change & **C** for Chemical Change



02. What is a Chemical Reaction?



ANSWER

03. Indicators

| Factor | Example |
|--------|-------------------------|
| State | Burning of paper |
| | |
| | |
| Color | Iron in Copper Sulphate |
| | |

04. Representation

ANSWER
