

PRACTICE TEST PAPER: CLASS-X

CHEMICAL REACTION (paper – ii) (X)

- Why respiration is considered an exothermic process?
- What happens chemically when quicklime is added to water filled in a bucket?
- Write the balanced chemical equations for the following:-
 - Calcium hydroxide + carbon dioxide ----- calcium carbonate+water.
 - Aluminium +copper chloride-----aluminium chloride + copper.
- Balance the following equations:-
 - Al(OH)_3 ----- $\text{Al}_2\text{O}_3 + \text{H}_2\text{O}$
 - $\text{Al}_2(\text{SO}_4)_3 + \text{NaOH}$ ----- $2\text{Al(OH)}_3 + 3\text{Na}_2\text{SO}_4$
 - $2\text{HNO}_3 + \text{Ca(OH)}_2$ ----- $\text{Ca(NO}_3)_2 + 2\text{H}_2\text{O}$
 - $\text{BaCl}_2 + \text{H}_2\text{SO}_4$ ----- $\text{BaSO}_4 + \text{HCl}$.
- What is meant by a chemical reaction? Explain with example.
 - Give one example each of a:-
 - evolution of a gas
 - change in colour
 - formation of a precipitate
 - change in temperature
 - change in state.
- Give one example of a decomposition reaction which carried out
 - with electricity
 - By applying heat.
- What is meant by (a) displacement reaction and (b) double displacement reaction? Explain with the help of example.
- In the reaction represented by the following equation:-
$$\text{CuO(S)} + \text{H}_2(\text{g}) \text{-----} \text{Cu(S)} + \text{H}_2\text{O(l)}$$
 - Name the substance oxidised
 - name the substance reduced
 - name the oxidising agent
 - name the reducing agent.
- Explain the term 'corrosion' with an example. Write a chemical equation to show the process of corrosion of Iron.
- Explain the term 'rancidity'. What damage is caused by rancidity? What type of chemical reaction is responsible for causing rancidity?
- What do you understand by precipitation reaction? Give example.
- Why should magnesium ribbon be cleaned before burning in air?
- Ammonia reacts with oxygen to form nitrogen and water. Write a balanced chemical equation for this reaction.
- Write a balanced chemical equation for the process of photosynthesis, giving the physical state of all the substances involved.
- What are anti-oxidants? Give two examples.
- Why are decomposition reactions called the opposite of combination reactions?

17.Explain main effects of oxidation reactions is everyday life.

DPM EDUCATIONS