

TEST YOUR SKILLS

- Q1. Name the reaction that occurs in rancidity of food.
- Q2. Name the compound used for testing of CO₂ gas.
- Q3. Name the chemicals used in black and white photography.
- Q4. Give one use of quick lime.
- Q5. Metal X turns green when left in air and turns black when heated in air. Name the metal and the compound formed in both the cases.
- Q6. Give four uses of decomposition reaction.
- Q7. When you heat few crystals of sugar in dry test tube, what do you obtain and why?
- Q8. Give three types of decomposition reaction.
- Q9. Write equation for each of the following reaction—displacement, oxidation and combination reaction.
- Q10. Identify the type of reactions:
- (i) $\text{Na}_2\text{SO}_4 + \text{BaCl}_2 \longrightarrow \text{BaSO}_4 + 2\text{NaCl}$
- (ii) $\text{CaCO}_3 \xrightarrow{\text{heat}} \text{CaO} + \text{CO}_2$
- (iii) $\text{HNO}_3 + \text{Ca(OH)}_2 \longrightarrow \text{Ca(NO}_3)_2 + 2\text{H}_2\text{O}$
- (iv) $2\text{FeSO}_4 \xrightarrow{\text{heat}} \text{Fe}_2\text{O}_3 + \text{SO}_2 + \text{SO}_3$

Ayaz sir's CBSE Coaching

Class -X

Marks 17

Chemical reactions and equations and Acids, bases and salts

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| 1. Define oxidation. | 1m |
| 2. Why do we apply paint on iron articles? | 1m |
| 3. Explain corrosion. | 2m |
| 4. What is combination reaction? | 2m |
| 5. Why milk man adds a very small amount of baking soda to fresh milk? | 2m |
| 6. What is the action of metal hydrogen carbonate with acid? Give one example. | 2m |
| 7. Calculate the pH of 0.5 M HCl. | 2m |
| 8. How can tooth decay be prevented? | 2m |
| 9. Acids dissolve in water to produce positively charged ions. Draw the structure of these ions. | 1m |
| 10. How are acids classified based upon source, strength? | 3m |