

DELHI PUBLIC SCHOOL, JAMMU
ASSIGNMENT (2019-2020)

CLASS: X

SUBJECT: SCIENCE

CHEMISTRY

TOPIC-Chemical Reactions and Equations

- Q1. State two examples each characterized by the following along with chemical equation.
- a) Evolution of gas
 - b) Formation of precipitate
- Q2. List two observations you notice when an iron nail is put inside copper sulphate solution.
- Q3. What do you mean by exothermic and endothermic reaction? Give examples.
- Q4. Give two examples for each of the decomposition reactions carried out with the the help of:
- a) Heat
 - b) Sunlight
- Q5. Why is decomposition reaction called opposite of combination reaction?
- Q6. Explain the term corrosion with an example .Write a chemical equation to show the process of corrosion of iron .Suggest a method to prevent rusting of iron
- Q7. A shining brown coloured element X on heating in air becomes black in colour.
- 1) Name the element X and the black colored compound formed.
 - 2) How can this black compound be again converted into element X?
- Q8. Define rancidity. Explain any three ways by which rancidity of food materials can be checked.
- Q9. A white salt upon heating decomposes to give brown fumes and yellow residue is left behind. Name the salt and write the equation for decomposition reaction.
- Q10. What happens when slaked lime reacts with surrounding CO₂? Write the reaction involved in the process. What is the process called?