

SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-X (2020-21)

Sub: CHEMISTRY

ASSIGNMENTS-2

1. What is Decomposition reaction? What are its three types? Give example of each? Describe an activity to illustrate such a reaction by sunlight.
2. What is the difference between Displacement and Double displacement reaction? Write equation for these reaction.
3. In the reaction represented by the following equation: $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
 - (a) Name the substance oxidized
 - (b) Name the substance reduced
 - (c) Name the oxidizing agent
 - (d) Name the reducing agent
4. A colourless lead salt, when heated, produces a yellow residue and brown fumes.
 - (a) Name the lead salt
 - (b) Name the brown fumes.
 - (c) Write the Chemical equation of the reaction involved.
5. A metal salt MX when exposed to light splits up to form metal M and a gas X₂. Metal M is used in making ornaments where as X₂ is used in making bleaching powder. The salt MX is used in black and white photography.
 - (a) What do you think metal M is?
 - (b) What could be gas X₂?
 - (c) Name the metal salt MX.
 - (d) Name any two salt solution which on mixing together can produce MX.
 - (e) What type of Chemical reaction takes place when salt MX is exposed to light? Write the equation of the reaction.
6. Define Rancidity. Name two anti oxidants which are usually added to prevent Rancidity.
7. Define Corrosion. Write 4 methods to prevent Corrosion.
8. In the refining of silver, the recovery of silver from silver nitrate solutions involved Displacement by copper metal. Write down the Chemical equation of the reaction involved.