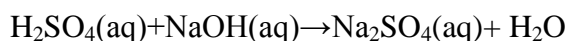


National Institute of Open Schooling
Secondary Course : Science And Technology
Lesson 4 : Chemical Reactions and Equations
Worksheet-4

1. How do chemical reactions impact our life? Give reasons in support of your answer.
2. If a piece of a copper wire is dipped in silver nitrate solution. It becomes silver and colour of the solution changes to blue. Name the type of equation and write the balanced equation.
3. “Gain of electron is reduction and loss of electron is oxidation”. Justify the statement.
4. There is a reaction given below:



Balance this equation and mentioned the steps for balancing this equation.

5. The smell or taste of the fat/oil containing food material change if left for a long time. Using your knowledge about chemistry, write the ways to prevent it.
6. Do you think a combination reaction is opposite of decomposition reaction. Justify this with examples.
7. Compare the packing and expiry date of namkeen packet and ordinary plastic packed namkeen. Which will last longer and why?
8. The marble stones often slowly get corroded when kept in open for a long time. Give reasons in support of your answer.
9. Do you think respiration and digestion of a living being can be categorize as exothermic reaction? If yes, give reasons on support of your answer.
10. We used choona patthar (quick lime) solution for whitewashing of our home. How this quick lime is obtained? When we mix it with water, after some time, it starts boiling. How does it happen? Explain with reasons.

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