

BRAIN INTERNATIONAL SCHOOL

Chemistry Assignment

Class: X

April'18

Chapter-1: Chemical Reactions and Equations

1. Why is hydrogen peroxide kept in coloured bottles?
2. Give one example of a combination reaction and one example of a decomposition reaction in which a catalyst is used.
3. Give an example of a double displacement reaction accompanied by the evolution of a gas.
4. Why is respiration considered an exothermic process?
5. When iron rod is kept dipped in copper sulphate solution for some time, a brown coating is formed on the iron rod. Explain why. What change will you observe in the colour of the solution?
6. Give two examples from everyday life situations where redox reactions are taking place.
7. Can we stir silver nitrate solution with a copper spoon? Why or why not?
8. Explain two ways by which food industries prevent rancidity.
9. Discuss the importance of decomposition reactions in metal industry.
10. What happens when zinc granules are treated with dilute solution of sulphuric acid, hydrochloric acid, sodium chloride and sodium hydroxide, also write the balanced chemical equations of the reactions.