KV CLRI

HOLIDAY HOMEWORK-2018-19

CLASS:X

SUBJECT	ASSIGNMENT/PROJECT	SIGNATURE
SCIENCE (Chemistry)	**Chemistry Assignment:** 1. Give examples of (a) Combination reaction (b) Decomposition reaction (c) Displacement reaction (d) Double displacement reaction (e) Exothermic reaction (f) Endothermic reaction (g) Oxidation reaction (h) Reduction reaction 2. Define (a) Rancidity (b) Corrosion 3. Balance the following equations (a) $H_2 + O_2 \rightarrow H_2O$ (b) $SO_2 + O_2 \rightarrow SO_3$ (c) $FeSO_4 \rightarrow Fe_2O_3 + SO_2 + SO_3$ (d) $N_2 + H_2 \rightarrow NH_3$ (e) $Fe + O_2 \rightarrow Fe_2O_3$ 4. Why the snacks packets are flushed with nitrogen? 5. What are the methods to prevent corrosion? 6. What are redox reactions? 7. Why should a magnesium ribbon be cleaned before burning it? 8. Why does a colour of copper sulphate solution changes when an iron nail is dipped in it? 9. What happens when dilute HCl is added to iron filings? 10. Why is respiration considered an exothermic reaction? **Chemistry Project (ANY ONE)** 1) Determine the pH of five fruit juices 2) Burn a magnesium ribbon and dissolve the residue in water. Explain the reactions with equations. 3) Principle behind Electrolysis of water	

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