Chemical Reactions and Equations – Class X Paper Set 1

1.	What type of reaction is $C(s)+O_2(g) \rightarrow CO_2(g)$	
	(a) Decomposition	(b) Displacement
	(c) Combination	(d) Double displacement
2. Which of the following is a balanced equation?		on?
	(a) $H_2+O_2 \rightarrow H_2O$	(b) $2H_2+O_2\rightarrow 2H_2O$
	(c) $H_2+O_2 \rightarrow H_2O_2$	(d) $2H_2 + 2O_2 \rightarrow 2H_2O$
3. What product is formed when magnesium burns in air?		
	(a) Magnesium hydroxide	(b) Magnesium oxide
	(c) Magnesium chloride	(d) Magnesium sulphate
4.	Which reaction type absorbs energy?	
	(a) Exothermic	(b) Endothermic
	(c) Combination	(d) Displacement
5. In the reaction $Zn(s)+CuSO_4(aq) \rightarrow ZnSO_4(aq)+Cu(s)$, which element is displace		aq)+Cu(s), which element is displaced?
	(a) Zinc	(b) Copper
	(c) Sulphur	(d) Oxygen
6.	. What is the color change when iron is dipped into copper sulfate solution?	
	(a) Blue to green	(b) Green to blue
	(c) Blue to brown	(d) No color change
7. Which gas is evolved when dilute hydrochloric acid reacts with zinc?		oric acid reacts with zinc?
	(a) Oxygen	(b) Carbon dioxide
	(c) Nitrogen	(d) Hydrogen

8.	. What happens in an oxidation reaction?	
	(a) Gain of oxygen	(b) Loss of oxygen
	(c) Gain of hydrogen	(d) Loss of electrons
9. Which of these reactions represents corrosion?		
	(a) Rusting of iron	(b) Decomposition of water
	(c) Respiration	(d) Formation of salt from acid and base
10	. What substance prevents oxidation	on of food items?
	(a) Salt	(b) Water
	(c) Antioxidant	(d) Acid

Answers for Paper Set 1:

1. (c), 2. (b), 3. (b), 4. (b), 5. (b), 6. (c), 7. (d), 8. (a), 9. (a), 10. (c)