Class: 10	Chemistry	Revision worksheet	Date of issue : 04/0 7 / 2022
	Topic : Chemical reactions and equations		
1	Magnesium ribbon is rubbed before burning because it has a coating of (a) basic magnesium carbonate (b) basic magnesium oxide (c) basic magnesium sulphide (d) basic magnesium chloride		
2	Which of the following statements about the given reaction are correct? $3Fe\ (s) + 4H_2O\ (g) \rightarrow Fe_3O_4\ (s) + 4\ H_2\ (g)$ (i) Iron metal is getting oxidized (ii) Water is getting reduced (iii) Water is acting as reducing agent (iv) Water is acting as oxidizing agent		
3	Which of the following are exothermic processes? (i) Reaction of water with quick lime (ii) Dilution of an acid (iii) Evaporation of water (iv) Sublimation of camphor (crystals)		
4	Oxidation is a process which involves (a) addition of oxygen (b) addition of hydrogen (c) removal of oxygen (d) removal of hydrogen		
5	The process of reduction involves (a) addition of oxygen (b) addition of hydrogen (c) removal of oxygen (d) removal of hydrogen		
6	Which among the following statement(s) is (are) true? Exposure of silver chloride to sunlight for a long duration turns grey due to (i) the formation of silver by decomposition of silver chloride (ii) sublimation of silver chloride (iii decomposition of chlorine gas from silver chloride (iv) oxidation of silver chloride		
7	Reema took 5ml of Lead Nitrate solution in a beaker and added approximately 4ml of Potassium Iodide solution to it. What would she observe? (A) The solution turned red. (B) Yellow precipitate was formed. (C)White precipitate was formed. (D)The reaction mixture became hot.		
8	Which of the following correctly represents a balanced chemical equation? (A) Fe(s) + 4H2O(g) → Fe3O4 (s) + 4H2(g) (B) 3Fe(s) + 4H2O(g) → Fe3O4 (s) + 4H2(g) (C)3Fe(s) + H2O(g) → Fe3O4 (s) + H2(g) (D)3Fe(s) + 4H2O(g) → Fe3O4 (s) + H2(g)		
9	The chemical reaction between copper and oxygen can be categorized as: (A) Displacement reaction (B)Decomposition reaction (C) Combination reaction (D)Double displacement reaction		
10	Why is it important to balance a skeletal chemical equation? (A)To verify law of conservation of energy. (B)To verify the law of constant proportion (C) To verify the law of conservation of mass.(D) To verify the l0aw of conservation of momentum.		