

CBSE TEST PAPER-01

SCIENCE & TECHNOLOGY (Class-10)

Chapter 1. Chemical Reaction and Equations

1. When iron is heated with sulphur, iron sulphide is f	ormed. Name the reaction.	(1 mark)
2. Aluminium metal displaces iron from ferric oxid	e (Fe ₂ O ₃)giving aluminium oxi	ide and iron.
Which is more reactive aluminium or iron?		(1 mark)
3. The taste and smell of food changes when kept for l	long time in open. What is I calle	ed?(1 mark)
4. What is the general name of the chemicals which are added to fat and oil containing foods to		
prevent the development of rancidity.		(1 mark)
5. A solution of a substance 'X' is used for white wash	ing:	(2 marks)
(i) Name the substances 'X' and write its fo	ormula.	
(ii) Write the reaction of he substance 'X' n	amed in (i) above with water.	
6. Write the balanced chemical equation to represent th	e following statements:	(2 marks)
(i) Carbon (coke) burns in air to form carbondic		
(ii) A piece of sodium metal on putting in water	•	•
7. Identify the substances that are oxidised and the s	ubstances that are reduced in the	_
reactions:		(2 marks)
(i) $4 \text{ Na} (s) + O_2 (g) \longrightarrow 2 \text{ Na}_2 O (s)$		
(ii) CuO (s) + H ₂ (g) \longrightarrow Cu (s) + H ₂	₂ O (1)	(2 1)
8. Explain the term corrosion with an example		(2 marks)
9. Explain the following in terms of gain or loss of oxy	gen with one example of each:	
(i) oxidation (ii) reduction		(A.)
10. Why is photosynthesis considered an endothermic r		(2 marks)
11. Write the balanced equation for the following chem		
(i) Hydrogen + Chlorine→ Hydrog (ii) Barium Chloride + Aluminium Sulphate		minium
Chlorie	7 Barrum Surphate + Alui	IIIIIIIIIII
(iii) Sodium + Water	rogen + Hydrogen	(3 marks)
12. Magnesium is more reactive than copper or iron bu		,
(i) A solution of magnesium sulphate is put into		
(ii) A solution of copper sulphate is put into iron	11 1	
(iii) A solution of magnesium sulphate is put in	to iron pot.	
Which of the above pots will get damaged? Why? W	hat is this reaction called?	(3 marks)