Physical and Chemical Ch	nanges				
<1M> 1.Can deforestation be of	considered as a r	reversible change	e?		
2. What is the chemical i	name of Baking	Soda?			
3. What is Rust?					
4. What type of change i	s photosynthesi	s?			
5.Fraction of ship's iron (A) It prevents rusting o (C) Ship can move prop	f iron.			(B) Its color fac (D) All the abo	•
6.When magnesium oxides base, it turns	litmus to .			nesium hydroxid	de [Mg(OH) ₂], a
7. What do you understa	nd by physical p	properties of a su	ibstance?	?	
8. When vinegar reacts v (A) Hydrogen. dioxide.		a the gas evolved tygen.		bon dioxide.	(D) Nitrogen
9.When copper sulphate coloured			i	solution	and brown
 (A) Iron oxide, copper sulphide (B) Iron sulphate, copper (C) Iron sulphate, copper oxide (D) Iron sulphide, copper oxide 					
10.Ozone layer is preser (A) Atmosphere.		(C) Soil.	(D) Wa	iter.	
11.Complete the reactio Carbon dioxide + Lime		+			
(A) Calcium carbonate, (C) Calcium oxide, water		(B) Calcium hy (D) Calcium ca		, oxygen	
12. The process of obtain known as- (A) Galvanization.	ning pure crysta (B) Evaporation		ohate fror ystallizat		
13. While preparing coppis used instead of concert(A) Concentrated sulphucrystals.	ntrated sulphurion acid is corre	c acid, because-	(B) Dil	ute sulphuric aci	-
(C) Concentrated acid is				th (a) & (b).	
14.Select thechemical cl (i) Copper metal drawn Breaking of glass.	-	following optio (ii) Burning of		(iii) Digestion	of food. (iv)

(A) (i), (ii) & (i	ii). (H	B) (ii) & (iii).	(C) (i) & (iv).	(D) (i), (iii) &	(iv).	
15.To prevent in (A) Calcium.	ron from ru (B) Chron	usting, a coating of the nium. (C) So	is metal is depos odium.	ited- (D) Potassium.		
16.Chemical ch (i) Production o Change in c	f sound.	be accompanied by: (ii) Heat and li	ght.	(iii) Change in	mass.	(iv)
(A) (i), (ii) & (i	ii). (I	3) (ii) & (iv).	(C) (i) only.	(D) (i), (ii) & (iv).	
 17.Baking soda is common name for- (A) Sodium carbonate. (B) Sodium hydrogen carbonate. (C) Calcium carbonate. (D) Sodium hydroxide. 						
18.Give 2 exam	ples of phy	ysical change.				
19.Is crystallization an example of physical change?						
20.What is a ch	emical cha	inge?				
 21.Select the correct alternative(s). (i)Melting of ice is a physical change. (ii) A physical change is change in physical properties of asubstance. (iii) A physical change is always irreversible in nature. (iv)Burning of candle is an example of physical change. 						
(A) (i) & (ii).	(B) (i) &	(iv). (C) (i), (ii) & ((iv). (D) (ii)	& (iii).		
22. When magnesium ribbon is burnt, a brilliant flame is observed. (A) Yellow (B) Blue (C) White (D) Green						
23.Pick out physical changes from the following:(i) Rusting of iron.(ii) Dissolving salt in water.(iii) Change of water to ice.(iv) Cooking of food.						
(A) (i) & (ii).	(I	B) (ii) & (iii).	(C) (i), (ii) & (i	iii).	(D) (iii)	& (iv).
24.Blue vitriol is the common name of- (A) Copper sulphate. (B) Copper oxide. (C) Copper hydroxide. (D) Magnesium sulphate.						
25. The gas in the atmosphere which acts as a natural shield against ultra violet radiations is- (A) Oxygen. (B) Sulphur dioxide. (C) Hydrogen. (D) Ozone.						
26. The elements required for rusting of iron. (A) Oxygen and moisture. (B) Only oxygen. (C) Hydrogen and oxygen. (D) Only water vapours.						
27. During rusting the layer which is deposited on the surface of iron is						

(A) Fe_2O	(B) FeO	(C) $Fe_2O_{3.}xH_2C$)	(D) $Fe(OH)_3$	
28.Stainless stee (A) Magnesium, (C) Cobalt, Pota	sodium, calciur	n. (B) Chi	romium,	l metals like Nickel, Mangan Sodium, Chromi	ese.
29.Lime water to (A) Carbon diox			s passed to (C) Oxy	-	rogen dioxide
30.The process (A) Galvanization		ver of zinc on iro	on is knov (C) Rus		vering.
31.Burning is a chemical change and is always accompanied by production of (A) Sound. (B) Heat. (C) Gas only. (D) Sound & heat.					
32.Explosion of (A) Heat & light gases.			ses only.	(D) Heat, ligh	t, sound & unpleasant
33. When magnesium ribbon burns in air, it leaves an ash which is- (A) Mg(OH) ₂ (B) MgO (C) MgS (D) MgSO ₄					
34.For rusting- (A) Presence of (C) Presence of				(B) Presence of (D) Presence of	oxygen is essential.
35.Stainless stee (A) Because it is resistant to stain (C) Because it is galvanised.	s steel. s.			•	(B) Because it is (D) Because it is
36. Why are the water pipes in our homes galvanised? (A) To prevent rusting of iron. (B) To coat them with a layer of zinc. (C) To prevent their leakage and breakage. (D) All of them.					
<2M> 37.Can we call the breaking down of ozone a chemical change? Why?					
38. How would you show that setting of curd is a chemical change?					
39. What is the standard test for carbon oxide?					
40. Give the chemical equations for rusting and chemical name for rust.					
41.Explain how painting of an iron gate prevents it from rusting.					
42. Explain why rusting of iron objects is faster in coastal areas than in deserts.					
<3M> 43.What is the difference between physical change and chemical change? Give example.					
44.Explain why burning of wood and cutting it into small pieces are considered as two different types of changes?					

- 45. What is rusting? How do we prevent rusting?
- 46. When a candle burns, both physical and chemical changes take place. Identify these changes. Give another example in which both the chemical and physical changes take place.
- 47. What happened when a pinch of baking soda is added to vinegar. Write the equation also.
- 48. What are the various characteristics that may accompany a chemical change?
- <5M>
- 49. Describe how crystals of copper Sulphate are prepared?
- 50. Explain the formation of Magnesium hydroxide from a piece of magnesium ribbon along with corresponding equations.
- 51.Describe an activity to show the formation of iron sulphate when an iron nail is dropped into copper sulphate solution. Mention the equation too.