

## MCQs

1. One of the following does not happen during reaction.

(a) A rearrangement of atoms takes place to form new products

2. Which of the following does not involve a reaction?

(d) melting of candle wax on heating

3. You are given the solution of the lead nitrate

In order to obtain a yellow precipitate, you should mix it with a solution?

(d) Potassium iodide

4. An acid which can decolorize purple coloured potassium permanganate solution is?

(a) sulphuric acid

5. The chemical reaction between quick lime and water.

(a) evolution of hydrogen gas

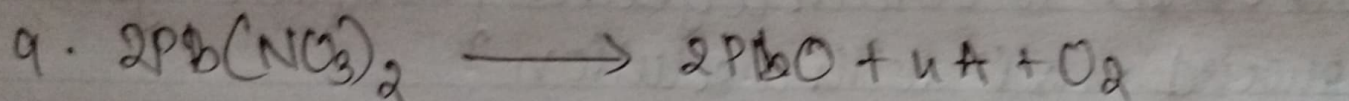
6. One of the following is an exothermic reaction  
(c) process of respiration.

7. The chemical equations are balanced to satisfy one of the following laws or chemical principles.

(b) law of conservation of mass

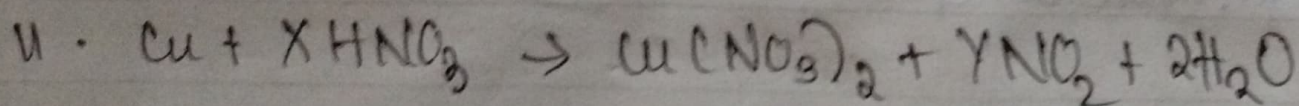
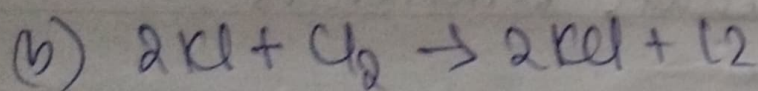
8. The chemical reaction between quicklime and water is characterized by.

(a) evolution of hydrogen gas



(b)  $4\text{NO}_2$

10. Which of the following would not take place?



(c) 4 and 2

12. When the gases sulphur dioxide and hydrogen sulphide mix in the presence of water, the reaction  $SO_2 + 2H_2S \rightarrow 2H_2O + 3S$  occurs. Here hydrogen sulphide is acting as

(b) a reducing agent

13. The layer on iron nails when they are dipped in copper sulphate solution is

(c) hard and dull

14. The substances which combine or react

(a) reactant

15. The new substances formed during chemical reaction

(c) product

16. The process of respiration is:

(d) an oxidation reaction which is exothermic

17. In the context of redox reactions, the removal of hydrogen from a substance is known as

(a) oxidation

18. The chemical reaction involved in the corrosion of iron metal is that of:

(c) oxidation as well as combustion

19.  $4M + 3O_2 \rightarrow 2M_2O_3$  This represents

(d) combination reaction as well as oxidation reaction

20.  $Mg + CuO \rightarrow MgO + Cu$

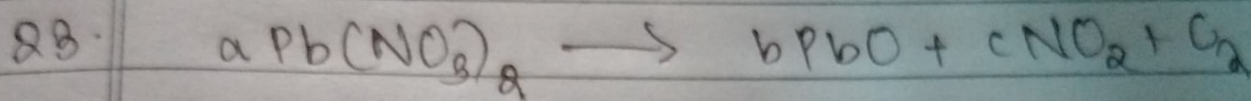
(c) Redox reaction as well as displacement reaction

21. Which of the following is balanced chemical equation

(c)  $SO_2 + O_2 + 2H_2O \rightarrow 4H_2SO_4$

22. The term rancidity represents

(b) oxidation of fatty food



(a) 2, 2, 4

24. Corrosion can be prevented by

(d) all of the above

25. As compared to iron, Aluminium has

(a) higher tendency to oxidise