Choose the correct answer and write its letter in the bracket.

Which of the following is correct ?( )

A) $Zn + HCl \longrightarrow ZnCl_2 + H_2$

B) $2\,Zn + HCl \longrightarrow 2\,ZnCl_2 + H_2$

C) $Zn + 2\,HCl \longrightarrow ZnCl_2 + H_2$

D) $Zn + 2\,HCl \longrightarrow ZnCl_2 + H_2$

Downward arrow (↓) in a chemical equation indicates..... ( )

A) Direction B) Gas

C) Precipitate D) No reaction

The colour of Lead iodide precipitate formed due to the reaction of lead nitrate and Potassium iodide is ..... ( )

A) blue B) black

C) green D) yellow

Which of the following is a skeleton reaction ? ( )

A) $C_3H_8 + O_2 \longrightarrow CO_2 + H_2O$

B) $Fe_2O_3 + 2Al \longrightarrow 2Fe + Al_2O_3$

C) $AgNO_3 + NaCl \longrightarrow AgCl + NaNO_3$

D) $Ca(OH)_2 + CO_2 \longrightarrow CaCO_3 + H_2O$

CaO reacts with water to form .....( )

A) $CaCO_3$ B) $Ca(OH)_2$

C) $CaCl_2$ D) $Ca(NO_3)_2$

Ammonia is formed by the reaction of gases ..... ( )

A) H_2 and O_2 B) N_2 and O_2

C) N_2 and H_2 D) H_2 and He

A solution of potassium iodide reacts with lead nitrate to give ..... ( )

A) KNO_3 B) PbI_2

C) A and B D) PbO

8. **A solution of sodium carbonate reacts with $Ca(OH)_2$ to give ..... ( )**

A) $CaCO_3$ B) NaOH

C) both A and B D) CaO

9. **When a small piece of zinc metal is added to a solution of Copper sulphate and on heating the products formed are ..... ( )**

A) CuO B) $ZnSO_4 + Cu$

C) ZnO D) $H_2\uparrow$

10. **The chemical reaction in which energy is absorbed to form a new compound is called ..... ( )**

A) exothermic reaction

B) endothermic reaction

C) thermal reaction

D) photochemical reaction

11. **The substances that are present on left side of a chemical equation are called ..... ( )**

A) reactants B) products

C) precipitates D) gases

12. **A chemical equation should be balanced because the law ..... should be verified. ( )**

A) constant proportions

B) conservation of mass

C) law of equality

D) law of balance

13. **$C + O_2 \longrightarrow CO_2 + Q$. This is ..... reaction. ( )**

A) endothermic B) chemical

C) exothermic D) photochemical

LIVEWORKSHEETS