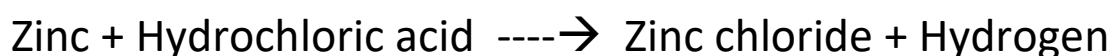


1. (a) What happens when dilute sulphuric acid is poured on a copper plate ?
- (b) What happens when a zinc metal granule is placed in dilute hydrochloric acid? Write the word equation of the reaction involved.

Answer :

- a) Copper metal does not react with dilute sulphuric acid. Hence, no reaction will take place.
- b) Zinc metal reacts with dilute hydrochloric acid to form its salt, zinc chloride. Hydrogen gas is evolved during this reaction.



2. State five properties of metals and non-metals.

Answer :

Metals	Non-metals
Generally hard in nature	Brittle or soft in nature
Can be beaten into sheets i.e malleable	Not malleable
Can produce ringing sounds on striking with a hard object i.e sonorous	Not sonorous
Can be drawn into wires i.e ductile	Not ductile

Good conductors of heat and electricity	Poor conductors of heat and electricity
Have lustre i.e shiny appearance	Not lustrous
Produce basic oxides when burnt in air	Produce acidic oxides when burnt in air.

3. Saloni took a piece of burning charcoal and collected the gas evolved in a test test tube.

- (a) How will she find the nature of gas?
- (b) Write down word equations of all the reactions taking place in this process.

Answer :

(a) If she brings wet blue and red litmus paper strips near the mouth of gas container, the gas turns blue litmus to red. So, gas has acidic nature.

(b) Carbon + oxygen \rightarrow Carbon dioxide

Carbon dioxide + Water \rightarrow Carbonic acid