

1. Fill in the blanks to complete the following paragraph.
The name of the product formed in the reaction of sulphur and..... is sulphur dioxide. When sulphur dioxide is dissolved in , sulphurous acid is formed. The sulphurous acid turns..... litmus paper to
Generally oxides ofare acidic in nature.

Solution : oxygen, water, blue, red, non-metals

2. Iron is more reactive than copper. Can you write an activity to show this.

Solution :

Write the activity based on the fact that when an iron nail is put in a beaker containing copper sulphate solution, iron displaces copper from the solution, since it is more reactive. Copper metal and iron sulphate are the products which are obtained as a result of the chemical reaction.

Some of the following statements are incorrect. Find the incorrect statements and correct them.

- The property of metals by virtue of which they can be drawn into wires is called ductility.
- Metals are good conductors of electricity but poor conductors of heat.
- Articles made of metals produce ringing sounds when struck against hard.
- Oxides of metals and non-metals are acidic in nature.
- A less reactive metal replaces a more reactive metal from its salt solution in water.

Solution :

Statements **b**, **d** and **e** are not correct.

b. Metals are good conductors of electricity and also good conductors of heat.

d. Oxides of non-metals are acidic in nature and oxides of metals are basic in nature.

e. A more reactive metal replaces a less reactive metal from its salt solution in water.