

Q6. Give reason for the following.

- a) Aluminium foils are used to wrap food items.
Aluminium does not react with food items. Aluminium foil is very light and thin. Therefore it is used to wrap food items.
- b) Immersion rods for heating liquids are made up of metallic substances.
Metals are good conductors of heat and electricity. Therefore metallic rods are used to heat liquids.
- c) Copper cannot displace zinc from its salt solution.
Zinc is more reactive than copper. A more reactive metal can displace a less reactive metal from its salt solution. On the other hand, a less reactive metal cannot displace more reactive metal from its salt solution. Therefore copper cannot displace zinc from its salt solution.
- d) Sodium and potassium are stored in kerosene. Why?
Metals like sodium and potassium react with oxygen readily and form oxides. So they are stored in kerosene.

Q7. Can you store lemon pickle in an aluminium utensil?. Explain.

Pickle is acidic in nature. Acid reacts with aluminium, salt and Hydrogen gas will be produced which can spoil the pickle.

Q8. Match the column A with B.....

Solution:	A.....	B
	Gold.....,	Jewellery
	Iron.....	Machinery
	Aluminium.....	Wrapping food
	Carbon.....	Fuel
	Copper.....	Electric wire
	Mercury.....	Thermometers

Q9. What happens when

- a) Dilute sulphuric acid is poured on a copper plate.?
Copper is a less reactive metal. It will not react with dilute acid.
- b) Iron nails are kept in copper sulphate solution?
Iron is more reactive than copper. More reactive iron displaces less reactive copper from its salt solution. The blue colour of the copper sulphate solution disappears and a deposit of copper can be seen on iron nails.
Iron + Copper sulphate.....Iron sulphate + Copper. (Arrow mark in the middle)

Q10. Saloni took a piece of burning charcoal and collected the gas evolved in the test tube.

a) how will she find the nature of the gas.?

Nature of the evolved gas can be tested using a wet litmus paper. If it turns blue litmus to red then it was acidic. If it turns red litmus blue, it is basic. (here it will be acidic)

b) Write down word equation for all the reactions.....

Carbon + oxygen.Carbon dioxide.

Q11. One day Reeta went to a.....?

Ans. The shop keeper dips the jewellery in a solution called aqua regia. It is a mixture of hydrochloric acid and nitric acid. The outer layer of the jewellery dissolves in the solution and the inner layer of gold appears, which looks very shiny. The loss of weight is due to the dissolving of gold in the solution.