

INTERNATIONAL INDIAN SCHOOL JEDDAH

SCIENCE –WORKSHEET(BS)

CHAPTER 4 – METALS AND NON –METALS

CLASS VIII

I. NAME THE FOLLOWING.

1. Liquid metal -----
2. Liquid non metal -----
3. Two soft metals -----
4. Non metal which conduct electricity -----
5. Non metal which is stored in water -----
6. The acid formed by dissolving carbon dioxide in water -----
7. Two solid non metals -----
8. Two gaseous non metals -----
9. Two metalloids -----
10. The liquid in which sodium and potassium are stored -----
11. Metal present in chlorophyll -----
12. Metal present in haemoglobin -----

II. DEFINE THE FOLLOWING.

- a. Malleability -----

- b. Ductility -----

- c. Displacement reaction -----

III. GIVE REASONS

- i. Bells are made up of metals. -----

ii. Phosphorus is stored in water -----

iii. Electric wires are made up of metals -----

iv. Gold is used for making ornaments -----

v. Kitchen utensils are made up of metals where as handles of utensils are made up of plastic/wood. -----

IV. ANSWER THE FOLLOWING QUESTIONS.

1. When a copper wire is exposed to air for long time it acquires a green coating, Why? -----

2. Name the product formed when magnesium burns in air? Name the solution formed when the product is mixed with water? What is the action of red and blue litmus paper on the above solution? -----

3. Name the product formed when the following burns in air

a. sulphur -----

b. Carbon -----

c. Phosphorus -----

4. Name the acids produced when the following gases dissolve in water

a. SO_2 -----

b. SO_3 -----

c. CO_2 -----

d. NO_2 -----



5. What will happen when red litmus paper is dipped in a mixture of rust in water? Why? -----

6. What will happen when a piece of sodium is put in a trough containing water?

7. Name the gas produced when zinc granules are placed in a test tube containing dil HCl. How will you identify it? -----

8. What will happen when....

a. Zinc is placed in copper sulphate solution. -----

b. Copper is placed in Zinc sulphate solution. -----

c. Iron nails placed in Coppersulphate solution -----

d. Copper is placed in Iron sulphate solution -----

e. Iron nail is placed in Zinc sulphate -----

9. What is an element? How are they classified? -----

10. What is corrosion? What colour change occurs when silver is corroded?

