



INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



Subject : Chemistry Topic : Metals and Non metals Date of Worksheet : 27.08.2018

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Date :

Name of the Student : _____

Class & Division : VIII----

Roll Number : ____

- 1 Most metals react with dilute acids to produce :- 1
a. hydrogen gas b. oxygen gas c. chlorine gas d. nitrogen gas

- 2 Fill in the blanks :- 1
a. Non-metals are generally _____, so they break into pieces on hammering. Mark
b. Sodium and _____ are soft enough to be cut with a knife. each
c. _____ is the non- metal which is a good conductor of electricity.
d. Metals oxides are _____ in nature because their solution in water turns red litmus blue.

- 3 What would happen if sodium and potassium are kept in open air? 1

- 4 A reaction in which more reactive metal replaces a less reactive metal from its salt solution is called :- 1
a. addition reaction b. double displacement reaction
c. exothermic reaction d. displacement reaction

- 5 Fill in the blanks :- 1
a. Mercury is the only metal found in _____ state at room temperature. Mark
b. Metals can be drawn into wires and this property is called ----- each
c. The property of metals by which they can be hammered into very thin sheets without breaking is called-----
d. Metals are ----- conductors of heat and electricity.

- 6 Pick the odd one out of the following: 1
Au/Ag/Pt/K/C

- 7 Cooking utensils are made of metals but their handles are made of wood or plastic, why? 1

- 8 Why is it advised not to store pickles and curd in metallic utensils? 1

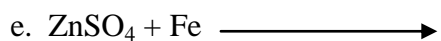
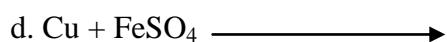
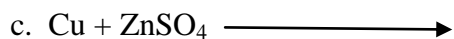
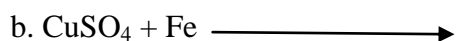
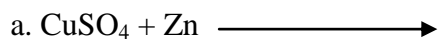
- 9 a. Name the products formed when a piece of Sodium metal is added to water. 2
b. When the solution so formed, is tested with litmus, what kind of colour change is expected?
Reason out your answer.

- 10 Can you guess? 1
a. Non-metal essential for our life Mark
b. Non-metal used in fertilizers for growth of plants each

- c. Non-metal which is used in purification of water
- d. Non-metal used as an antiseptic over wounds
- e. Non-metal used in crackers

11 Find out in which case reactions will occur and if so, the complete the equations.

1
Mark
each



12 How do you test the presence of Hydrogen gas?

1

13 Give reasons:-

1
Mark
each

- a. When an iron nail is placed in Copper Sulphate Solution, the colour of the solution changes.
- b. Metals like Sodium & Potassium are stored in Kerosene oil while non-metals like Phosphorous is stored in water.
- c. Copper is used for making electrical wires.
- d. Copper loses its lustre and develops a green coating over it when exposed to atmosphere.