

METALS AND NON-METALS WORKSHEET

Answer in one word:

1. Which metal is liquid at room temperature other than mercury? [1]

2. Which nonmetal is lustrous and shiny? [1]

3. Which nonmetal is good conductor of Electricity? [1]

4. Which Metals can be cut with Knife? [1]

5. Which Metals have very low melting and boiling point? [1]

6. A reaction in which more reactive metal displaces less reactive metal from its salt solution. [1]

7. Which nonmetal is liquid at room temperature? [1]

8. Which is the hardest element known to mankind [1]

9. Metal Oxides which show both basic and acidic nature [1]

10. Name the solvent in which sulphur is stored. [1]

11. Sodium and Potassium are usually kept in which solvent? [1]

12. Some elements show property of both metals and non-metals [1]

13. Compound formed by transform of electrons from Metals to Non-Metals [1]

14. The damage caused to metals due to the reaction of metals with oxygen, moisture, carbon dioxide etc.

[1]

15. A mixture of concentrated nitric acid and concentrated hydrochloric acid in the ratio 1:3. [1]

16. A pencil lead is made up of Non-Metal called [1]

17. Hard and brittle form of iron with high carbon content is. [1]

18. Tough and Malleable form of iron is. [1]

2. Multiple choice question:

1) The most reactive metal is: [1]

- (a) Iron (b) Gold (c) Zinc (d) Potassium

2) The liquid metal at room temperature [1]

- (a) Mercury (b) Bromine (c) Sodium (d) Gold

3) Non-metals are: [1]

- (a) Generally, liquids (b) Generally, gases
(c) Generally, solids and gases (d) Generally, gases and liquids.

4) The metal which is stored in kerosene: [1]

- (a) Phosphorus (b) Magnesium (c) Sodium (d) Magnesium

5) The non-metal which is liquid at room temperature is: [1]

- (a) Carbon (b) Iodine (c) Bromine (d) Chlorine.

6) Materials around us can be classified into [1]

- (a) Elements and compounds (b) Metals and non-metals
(c) Acids and bases (d) None of these

7) All metals are solids except [1]

- (a) Sodium (b) Calcium (c) Mercury (d) Hydrogen

8) Metal oxides are of nature [1]

- (a) Acidic (b) Basic (c) Neutral (d) All of these

9) The metal which can be cut with a knife [1]

- (a) Sodium and potassium (b) Barium and calcium
(c) Sodium and mercury (d) Potassium and calcium

10) When non-metals react with water then [1]

- (a) Hydrogen gas is formed (b) Carbon dioxide gas is formed
(c) Non-metals do not react with water (d) None of these

3. Write the difference between metals and non-metals on the basis of their physical properties. [2]

4. What is malleability? Name two most malleable metals. [2]

5. Write some uses of metals and non-metals. [2]

6. What are oxides? Write the nature of metallic and non-metallic oxides. [3]

7. What happens when a magnesium ribbon is heated in presence of air? [3]

8. What happens when a copper vessel is exposed in moist air? [3]

9. Explain the reactions of metals and non-metals with (i) Acids (ii) Air (iii) Water. [4]

10. Cooking utensils are made of metals but their handles are made of wood or plastic, Why? [4]
