



Metals and Non-metals

Grade VIII

Worksheet

Multiple Choice Questions

- Gold is used for making jewellery. What are the properties of gold that make it a suitable metal for making jewellery?
 - Ductility
 - Malleability
 - Lustrous
 - All of these
- Aluminium is used for making cooking utensils. What are the following properties of Aluminium are responsible for the same?
 - Good thermal conductivity
 - Good electrical conductivity
 - Ductility
 - High melting point

(a) 1 and 2 (b) 1 and 3 (c) 2 and 3 (d) 1 and 4
- Which of the following non-metal is liquid at room temperature?
 - Mercury
 - Carbon
 - Phosphorous
 - Bromine
- The combination of carbon monoxide and hydrogen is known as
 - Carbon gas
 - Coal gas
 - Carbonic gas
 - Water gas

Answer the Following

- Write one example of each
 - a metal which is so soft that, it can be cut with knife and a non-metal which is the hardest substance.
 - A metal and a non-metal which exist as liquid at room temperature.
- Mention the names of the metals for the following:
 - Two metals which are alloyed with iron to make stainless steel.

- (ii) Two metals which are used to make jewellery.
5. Give reason for the following:
- (a) School bells are made up of metals.
 - (b) Electric wires are made up of copper.
6. Name the following:
- (a) A metal, which is preserved in kerosene.
 - (b) A lustrous coloured non-metal.
 - (c) A metal, which can melt while kept on palm.
 - (d) A metal, which is a poor conductor of heat.
7. How will you prove that metals are malleable, whereas non-metals are not.
8. How are metals and non-metals differentiated based on conductivity?
9. What is a reactivity series? What is its significance?
10. Compare metals and non-metals based on any five physical properties.
11. Explain the ways by which corrosion can be prevented.
12. Rajesh has four materials – wooden cork, copper coin, iron nail, ball pen in front of him. He wants to know the materials which show the property of ductility. Help him to find out the materials.
13. A greenish deposit is found on copper substance if it is exposed to moist air for a long time. Why?
14. Write the chemical reaction for the following. ‘When a zinc granule is added to copper sulphate, zinc replace copper from copper sulphate. This results in disappearing of the blue colour of copper sulphate and a powdery red mass of copper are formed.’
15. When a zinc sulphate and copper turning are dissolved in water, reaction does not take place. Why?