

10th Metal and Non Metal



Chapter-4 (Metals and Non-metals)

1 Match the following		
a) b) c) d)	Mercury Sulphur Gas that burns with 'pop' sound Iron	a) Bad conductorb) Hydrogen gasc) Bloodd) Thermometer
2 Fill in the blanks		
 a) Acids turn litmus to litmus. b) Bases turn litmus to litmus. c) Metals form oxides and non metals form oxides. d) Copper does not react with acid even on heating but it reacts with sulphuric acid. e) A material which conducts electricity is called f) Reactions of non metals with bases are 		
3 Tick the correct option		
a) <i>i</i>	A liquid metal	
i) Sulphur ii) Gold iii) Mercury		
b) Metals, non metals and metalloids are		
i) Compounds II) Elements III) Matter		
c) Which is the best conductor of electricity.		
i) Copper II) Silver III) Iron		
d) Elements which are ductile and malleable are		
i) Non- metals II) Metals III) Metalloids		
4 Give one word/one sentence answer		
a) Name a metal which can be cut with a knife.		





- b) Name the metal used in thermometer.
- c) Give the reactivity series of Cu, Zn and Fe.
- d) Which gas is evolved when metals react with sodium hydroxide and water.
- e) What is the colour of CuSO₄ and ZnSO₄?
- f) Non-metals react with water or not.
- g) Name the acid formed when sulphur dioxide is dissolved in water.
- 5 Write true or false
- a) Generally non-metals do not react with water and acids.
- b) Metals do not react with bases.
- c) Silicon is an example of metalloid.
- d)Element does not contain one kind of atom.
- 6 Give reasons
- a) Phosphorus is stored under water.
- b) Handle of screw driver is not made up of metal.
- c) Metallic pan has wooden handle.
- d) Bells are made up of metals and of wood.
- e) Metals are drawn into wires and beaten into sheets.
- 7 a) Give differences between Metals and Non metals on the basis of their physical properties and chemical properties.
- b) Draw a diagram of 'Electrical Tester'.
- 8 Answer the following questions
- a) Give 3 examples of each i) Metals II) Non metals.
- b) Why does a copper vessel acquire green coating if it is exposed to moisture for a long time. Write the reaction also.





- c) What is rusting of iron? Write the reaction also.
- d) Write 5 uses of metals.
- e) Write 5 uses of non metals.
- f) Write the reaction for displacement reaction and explain it.
- 9 Complete the reactions and write in words