

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE

### CLASS-VIII

Date : 01-06-2021

Teacher : Poonam Kumari

#### ▶ Metals & Non Metals

#### 1. Answer the questions.

a. Which of the following cannot be beaten into sheets?

- i. Copper    ii. Aluminium    iii. sulphur  
iv. Iron    v. Silver

b. Which of the following is not a property that is typical of metals?

- i. Malleability    ii. low heat conductivity  
iii. high electrical conductivity  
iv. Ductility    v. lustre

c. If a non-metal is burnt and the resulting oxide is dissolved in water, will the solution be acidic or basic? Explain with a simple equation.

d. What will happen if a piece of sodium is placed in a beaker of water? What is the chemical reaction?

e. What does the green coating as seen on copper or bronze objects consist of?

## 2. Fill in the blanks.

a. Elements, such as boron, silicon and germanium, are known as \_\_\_\_\_.

b. Metals can be drawn into wires without heating. This property is called \_\_\_\_\_.

c. The non-metal graphite is a \_\_\_\_\_ conductor of electricity

d. Iron objects rust when exposed to water & \_\_\_\_\_.

e. Magnesium reacts most vigorously with hydrochloric acid and gives off \_\_\_\_\_ gas.