

Name: _____ Date: _____

Materials: Metals and Non-Metals

Q1. State some of the chemical properties of metals.

Ans. _____

Q2. Some properties are listed in the following Table. Distinguish between metals and non-metals on the basis of these properties.

Ans.

Properties	Metals	Non-metals
1. Appearance		
2. Hardness		
3. Malleability		
4. Ductility		
5. Heat Conduction		
6. Conduction of Electricity		

Materials: Metals and Non-Metals

Q1. State some of the chemical properties of metals.

Ans. Chemical properties of metals

- i. On burning, metals react with oxygen to produce metal oxides which are basic in nature.
- ii. Some metals react with water to produce metal hydroxides and hydrogen gas.
- iii. Metals react with acids and produce metal salts and hydrogen gas.
- iv. Some metals react with bases to produce hydrogen gas.
- v. More reactive metals displace less reactive metals from their compounds in aqueous solutions.

Q2. Some properties are listed in the following Table. Distinguish between metals and non-metals on the basis of these properties.

Ans.

Properties	Metals	Non-metals
1. Appearance	Lustrous	Dull
2. Hardness	Hard	Soft
3. Malleability	Can be beaten into thin sheets.	Cannot be beaten into thin sheets.
4. Ductility	Can be drawn into wires.	Cannot be drawn into wires.
5. Heat Conduction	Good conductor of heat.	Bad conductor of heat.
6. Conduction of Electricity	Good conductors of Electricity.	Bad conductors of Electricity.