

Name: _____ Date: _____

Materials: Metals and Non-Metals

Q1. There are three materials X, Y and Z. X and Z are hard and shiny, but Y is dull and not very hard. Identify the metals and non-metals from X, Y and Z.

Ans. _____

Q2. Why wires are made of aluminum and copper and not of carbon and sulphur?

Ans. _____

Q3. How phosphorus is stored?

Ans. _____

Q4. Why are wooden or plastic handles used for cooking utensils?

Ans. _____

Q5. Why there is difference in sound on dropping a metal coin and a piece of coal?

Ans. _____

Materials: Metals and Non-Metals

Q1. There are three materials X, Y and Z. X and Z are hard and shiny, but Y is dull and not very hard. Identify the metals and non-metals from X, Y and Z.

Ans. X and Z are metals.

Y is non-metal.

Q2. Why wires are made of aluminum and copper and not of carbon and sulphur?

Ans. Aluminum and copper are metals and can be drawn into wires. But carbon and sulphur are non-metals and hence cannot be drawn into thin wires.

Q3. How phosphorus is stored?

Ans. Phosphorus is a very reactive non-metal. It catches fire if exposed to air.

To prevent the contact of phosphorus with atmospheric oxygen, it is stored in water.

Q4. Why are wooden or plastic handles used for cooking utensils?

Ans. Wooden or plastic handles are used for cooking utensils because they are bad conductors of heat and protects us from being hurt while handling hot things.

Q5. Why there is difference in sound on dropping a metal coin and a piece of coal?

Ans. Metals are sonorous i.e. they produce ringing sound when struck hard whereas non-metals non-sonorous. Hence, on dropping a metal coin, ringing sound is produced but no such sound is produced in case of coal.