

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Materials: Metals and Non-Metals

Q1. State True (T) or False (F).

- i. Generally, non-metals react with acids. \_\_\_\_\_
- ii. Sodium is a very reactive metal. \_\_\_\_\_
- iii. Copper displaces zinc from zinc sulphate solution. \_\_\_\_\_
- iv. Coal can be drawn into wires. \_\_\_\_\_
- v. Metals are harder than non-metals. \_\_\_\_\_
- vi. Metal reacts with oxygen to form metallic oxides. \_\_\_\_\_

Q2. Fill in the blanks.

- i. Phosphorus is very \_\_\_\_\_ non-metal.
- ii. Metals are good conductors of \_\_\_\_\_ and \_\_\_\_\_.
- iii. Iron is \_\_\_\_\_ reactive than copper.
- iv. Metals react with acids to produce \_\_\_\_\_ gas.
- v. Most non-metals are \_\_\_\_\_ conductors of heat.
- vi. Metals are \_\_\_\_\_.
- vii. Some metals react with water to produce metal \_\_\_\_\_ and \_\_\_\_\_ gas.
- viii. Metals can be distinguished from non-metals on the basis of their \_\_\_\_\_ and \_\_\_\_\_ properties.
- ix. A sample of an element contains only one kind of \_\_\_\_\_.

Q3. Which is more reactive iron or copper?

Ans. \_\_\_\_\_

Q4. Which is less reactive sodium or gold?

Ans. \_\_\_\_\_

Q5. Which one of the two is malleable oxygen or calcium?

Ans. \_\_\_\_\_

## Materials: Metals and Non-Metals

Q1. State True (T) or False (F).

- i. Generally, non-metals react with acids. False
- ii. Sodium is a very reactive metal. True
- iii. Copper displaces zinc from zinc sulphate solution. False
- iv. Coal can be drawn into wires. False
- v. Metals are harder than non-metals. True
- vi. Metal reacts with oxygen to form metallic oxides. True

Q2. Fill in the blanks.

- i. Phosphorus is very reactive non-metal.
- ii. Metals are good conductors of heat and electricity.
- iii. Iron is more reactive than copper.
- iv. Metals react with acids to produce hydrogen gas.
- v. Most non-metals are bad conductors of heat.
- vi. Metals are lustrous.
- vii. Some metals react with water to produce metal hydroxides and hydrogen gas.
- viii. Metals can be distinguished from non-metals on the basis of their physical and chemical properties.
- ix. A sample of an element contains only one kind of atoms.

Q3. Which is more reactive iron or copper?

Ans. Iron

Q4. Which is less reactive sodium or gold?

Ans. Gold

Q5. Which one of the two is malleable oxygen or calcium?

Ans. Calcium