

# *The City School*

North Nazimabad Boys Campus

E-Worksheet



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Class:

7

Subject:

Science

Date:

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Element and Compound

## **Q1. Choose the best answer.**

1. Which of the following is an element?

a) steam b) sugar c) dry ice d) sulphur

2. Which of the following is an element but **NOT** a metal?

a) Oxygen b) copper c) aluminium d) salt

3. Which element can be found as charcoal, diamond or graphite?

a) Carbon b) nitrogen c) zinc d) phosphorus

4. Which metal is present in the liquid state at room temperature?

a) Helium b) bromine c) mercury d) lithium

5. Which substance does not have fixed melting and boiling points?

a) Water b) sugar c) ink d) sodium

6. Which of the following best supports the fact that air is a mixture?

a) The oxygen in the air is easily removed during combustion. b) Air contains different elements.

c) The water vapour is a chemical compound.

d) The composition of the air remains almost constant throughout the world.

7. A compound contains

a) Different kinds of atoms mixed together. b) The same kind of atom mixed together.

c) Different kinds of atoms chemically combined together. d) The same kind of atom chemically combined together.



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## Q2. Fill in the blanks.

- a) Elements are classified into metals, and \_\_\_\_\_
- b) A \_\_\_\_\_ is a substance which can not further divide by chemical reaction.
- c) The most found element in the air is \_\_\_\_\_
- d) In the periodic table, elements are arranged in columns called \_\_\_\_\_

## Q. 3 Different elements have different properties, some of which are shown below:

- Electrical insulator • Good thermal conductor
- Poor thermal conductor • High melting point
- Good electrical conductor • Shiny
- Ductile • Malleable

a) Gold is a metal. Give **two** properties of gold from the list above which make it a good material to use as jewellery.

- 1 .....
- 2 .....

b) Krypton is a gas used inside a light bulb.

Give **two** properties of krypton from the list above which make it a good material to use.

- 1 .....
- 2 .....

c) Tungsten is used to make the filament inside a light bulb. Give **two** properties from the list above which make it a good material to use.

- 1 .....
- 2 .....

