

# Science Worksheet 6

## Class VII

### Physical and Chemical Changes

Q1. Define the following:

- a. Atom    b. Molecule    c. Mixture    d. Compound    e. Element

Q2. Identify elements and compounds from the list given below:

H<sub>2</sub>, CuSO<sub>4</sub>, N<sub>2</sub>, Cu, CaCO<sub>3</sub>, AgNO<sub>3</sub>, Au, Mg, MgO, Ag

Elements:

Compounds:

Q3. Name the compound given below:

- a. ZnO    b. CuSO<sub>4</sub>    c. FeSO<sub>4</sub>    d. AgNO<sub>3</sub>

Q4. Identify the type of change in the following figure and give reasons for your answers:



Q5. Fill in the blanks:

- a. One molecule of oxygen gas is made up of \_\_\_\_\_  
b. Dissolving of a substance in a solvent is a \_\_\_\_\_  
c. Eating away of iron due to rusting is called \_\_\_\_\_  
d. Melting of a solid is a \_\_\_\_\_ change  
e. Sugar can be obtained from its solution in water by evaporation and \_\_\_\_\_  
f. When vinegar is added to baking powder a gas is \_\_\_\_\_

Q6. Write the atomicity of the following compounds:

- a. CO<sub>2</sub>                      b. Na<sub>2</sub>CO<sub>3</sub>                      c. FeCl<sub>3</sub>