

# INTERNATIONAL INDIAN SCHOOL-DAMMAM

BMS CLASS-7

SUBJECT-SCIENCE

## PHYSICAL AND CHEMICAL CHANGES -WORKSHEET

### FILL IN THE BLANKS

- 1) \_\_\_\_\_ and \_\_\_\_\_ are the two kinds of general changes that take place in our surroundings.
- 2) On burning magnesium ribbon the ash formed is \_\_\_\_\_.
- 3) The nature of magnesium hydroxide is \_\_\_\_\_.
- 4) The turning of lime water milky is the standard test of \_\_\_\_\_.
- 5) When magnesium oxide is dissolved in water \_\_\_\_\_ is formed..
- 6) The reaction of copper sulphate with iron produces \_\_\_\_\_ & \_\_\_\_\_.
- 7) \_\_\_\_\_ absorbs ultra violet radiation and breaks down to oxygen.

### NAME THE FOLLOWING

- 1) The gas produced when baking soda is added to vinegar.
- 2) The natural protective shield to human beings against radiation.
- 3) The mixture of chromium nickel, manganese, carbon and iron.
- 4) Give another name for chemical change
- 5) Common name of Sodium hydrogen carbonate.
- 6) A change in which one or more new substances formed.
- 7) A Brownish film acquired on iron when kept in open.

### MULTIPLE CHOICE QUESTIONS

- 1) The process of depositing a layer of zinc on iron is called  
(Galvanisation, Rusting, Crystallisation)
- 2) All new substances are formed as a result of \_\_\_\_\_  
(, Physical change, Chemical change, Physical reaction)
- 3) \_\_\_\_\_ is always accompanied by production of heat.  
(Rusting, Physical change, Burning)
- 4) When  $\text{CO}_2$  is passed through lime water \_\_\_\_\_ is formed.  
( Calcium hydroxide, Calcium carbonate, Sodium carbonate)
- 5) The properties such as shape, size, color and state of a substance are its \_\_\_\_\_ properties  
( Physical, Chemical, None of these )
- 6) \_\_\_\_\_ change is irreversible and permanent  
( Physical, Chemical, Both)
- 7) \_\_\_\_\_ affects iron articles and slowly destroys them.  
(Galvanisation, Rusting, Burning)
- 8) The process of forming large crystals of pure substances from solution.  
(Galvanisation, Rusting, Crystallisation)

**WRITE TRUE OR FALSE. IF FALSE CORRECT THE STATEMENT**

- 1) Rust is iron.
- 2) Magnesium hydroxide changes blue litmus red.
- 3) Iron sulphate solution is blue in colour.
- 4) Explosion of a firework is a physical change.
- 5) Crystallization is a chemical change.

**GIVE THE CHEMICAL NAME OF**

- 1) Baking soda
- 2) Rust
- 3) Vinegar
- 4) Lime water

**GIVE THE CHEMICAL FORMULA OF**

- 1) Calcium carbonate.
- 2) Magnesium hydroxide
- 3) Iron oxide.

**COMPLETE THE EQUATIONS**

- 1) Magnesium (Mg) + \_\_\_\_\_ = Magnesium oxide (MgO).
- 2) Magnesium oxide (MgO) + Water (H<sub>2</sub>O) = \_\_\_\_\_.
- 3) \_\_\_\_\_ + Iron = Iron sulphate solution + Copper.
- 4) Vinegar + Baking soda = \_\_\_\_\_ + other substance.
- 5) Carbon dioxide (CO<sub>2</sub>) + Lime water [Ca(OH)<sub>2</sub>] = \_\_\_\_\_ + Water.
- 6) Iron (Fe) + \_\_\_\_\_ + Water (H<sub>2</sub>O) = rust (iron oxide Fe<sub>2</sub>O<sub>3</sub>).

**CLASSIFY AS PHYSICAL AND CHEMICAL CHANGE**

- 1) Burning of candle
- 2) Folding of a cloth
- 3) Curdling of milk
- 4) Photo synthesis
- 5) Digestion of food
- 6) Stretching of rubber band
- 7) Rusting of iron
- 8) Rolling of Chappati
- 9) Moving of furniture
- 10) Writing on the black board