



INDIAN SCHOOL NIZWA - WORKSHEET

CHEMISTRY

CH 5: Changes Around Us:

Physical & Chemical Change

Name: _____

Class: VII

I. Choose the correct answers in the following questions:

1. What kind of change is the explosion of fireworks?

- a) Physical change b) Chemical change
c) Not a change d) Reversible change

2. Which of the following is not a required condition for rusting to occur?

- a) Presence of oxygen b) Presence of carbon dioxide
c) Presence of water vapour d) Presence of water

3. Fermentation of grapes is an example of :

- a) Chemical changes only b) Desirable and chemical change
c) Physical and chemical change d) Physical change only

4. Which of the following chemicals is responsible for making lime water milky?

- a) Calcium carbonate b) Calcium hydroxide
c) Calcium chloride d) Calcium oxide

5. When you leave a piece of iron in the open for some months, it acquires a film of brownish substance. The substance is called-

- a) Acid b) Base
c) Rust d) None of these

6. Which of the following is not a chemical change-

- a) Digestion of food b) Photosynthesis c) Burning of coal d) Melting of Ice

II. Fill in the blanks

1. A chemical process in which a substance reacts with oxygen with evolution of heat is called

_____.

2. Blowing air in tap water is a _____ change.

3. Fermentation of grapes is an example of _____ change.
4. Insoluble substance formed during a chemical reaction when carbon dioxide is passed through lime water, is _____.
5. _____ is a reddish brown, soft, porous, flaky coating on iron articles.

III. State whether the statements are True or False

1. The component of air that supports combustion is Carbon Dioxide.
2. We can test carbon dioxide gas by adding lime water to it.
3. Some insects emit light in a field in late evenings, these insects are called fireflies.
4. Burning of candle is a physical change.
5. The maximum temperature at which a substance catches fire is called its ignition temperature.

IV. Represent the following in the form of word equation

1. Burning of magnesium in air
2. Rusting of iron
3. Reaction between vinegar and baking soda
4. Reaction between lime water and carbon dioxide

V. Give an example of a chemical reaction for each of the following:

1. Change in colour is observed.
2. A gas is evolved.
3. Sound is produced.

VI. Answer the following in short.

1. Give two examples for each of the following cases:
 - i) Physical changes which are reversible.
 - ii) Physical changes which are not reversible.
2. What do you observe on focusing sunrays on a paper using magnifying glass?
3. What are the two essential conditions necessary for rusting to occur?
4. What are the essential conditions for combustion process?
