

WEEK BEGINNING FORECAST

UNIT-7

Topic- More about dissolving and other changes

Subtopics- L-5 Types of change

L-6 No changing back

L-7 Burning

Concept- To understand Reversible and irreversible changes
Burning is an irreversible process.

Home task- Make the list of examples of reversible and irreversible changes

Review:

I. Hard words.

1) Sieving

2) Irreversible

3) Reversible

4) Fuel

5) Elastic band

6) Rusting

7) Concrete

8) Bicarbonate of soda

9) Violently

10) Creosote

11) turpentine

II] Fill in the blanks:

- 1) Substances that are insoluble can be separated by sieving or filtering.
- 2) We can get the dissolved solid back by evaporating the solution.
- 3) Iron rusts easily in the presence of moist air.
- 4) Fuel is burnt to produce heat and other forms of energy.
- 5) Burning of paper is an example of irreversible change.
- 6) The chemical change in any reaction is permanent and cannot be easily reversed.
- 7) Creosote is used to preserve timber and turpentine is used to make paint.
- 8) Most of the world's energy comes from fossil fuels.

III] Question and answers:

Q.1) Differentiate between physical change and chemical change with examples of each.

Ans: **PHYSICAL CHANGE**

CHEMICAL CHANGE

1) In a physical change no new substance is formed.

1) In a chemical change a new substance is formed.

2) It can be easily reversed and are called reversible change.

2) It cannot be reversed so they are called irreversible changes.

3) Physical changes are not Permanent.

3) Chemical changes are permanent

Example. Melting of ice

Eg: Rusting of iron, burning coal etc

dissolving salt

in water etc.

Q.2 What are mixtures?

Ans: Mixtures contain two or more substances, each one of which keeps its own properties.

Examples: 1. Sand and water.

2. Iron fillings and sand etc.

Q.3 List any two examples of irreversible changes in living things

Ans:1-The fermentation process by yeast cells in the process of baking

2- Turning of milk into cheese and yogurt by bacteria

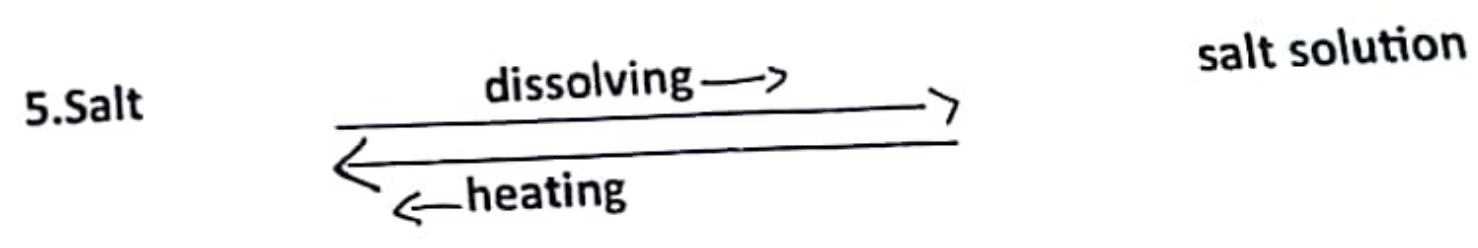
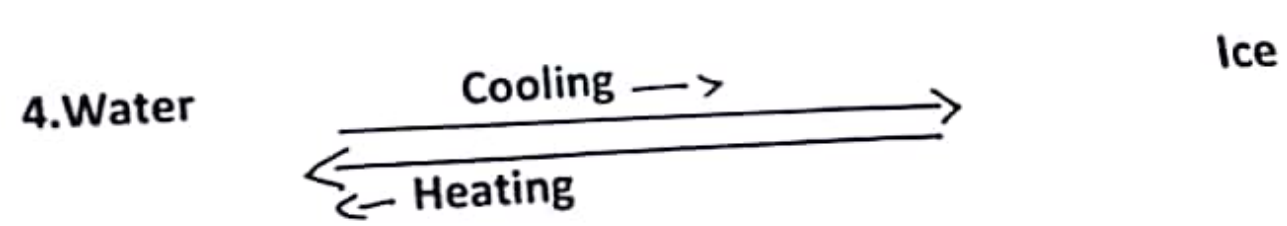
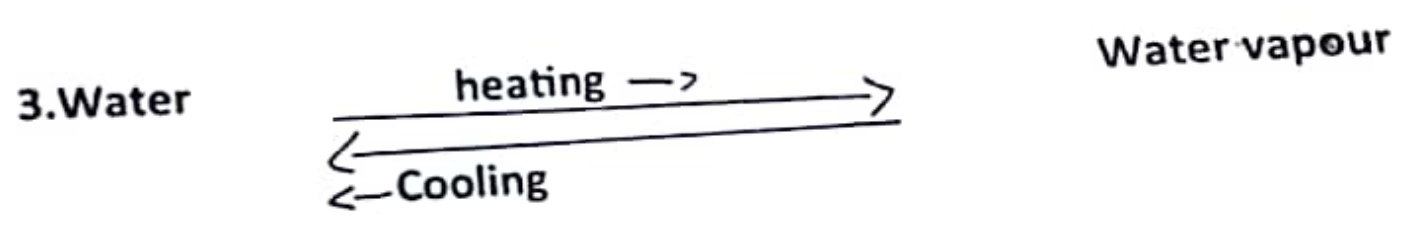
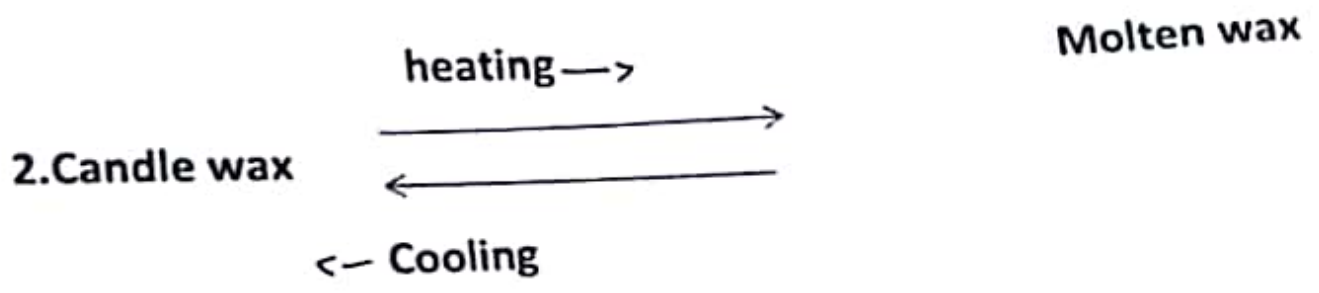
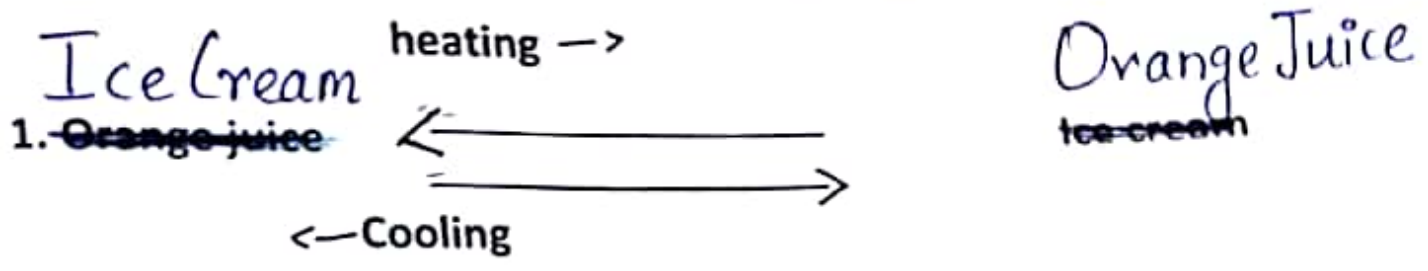
Q.4-Write some uses of charcoal.

Ans:-1.Charcoal is used as fuel.

2- It is used in household water filters.

2-It is used in drawing, making paints, paperink, white sugar, rubber, gunpowder and fireworks.

Q.5. Give any 5 examples of reversible change due to change of state.



Q.6. Wood produces different irreversible changes? What are the different irreversible changes that take place when wood is burned.

Give any two examples.

1-If wood is burnt in a special oven with very little air, a black substance charcoal is formed.

2-If wood is distilled and the vapors are collected a new substance called creosote and turpentine is formed.

Q.7. Give any two examples of reversible change.

1. A piece of wood, paper and metal which can be cut in half does not alter the way they are made with, it is an example of reversible change.

2. A model of clay and elastic band will remain the same even we change the shape of clay or elongate the elastic band. It is an example of reversible change.

Q.8. Give any two examples of irreversible changes.

1. Cooking of food is an example of irreversible.

2. Rusting of iron is an irreversible change.

IV. Give reason:

Q1-Burning of wood is an irreversible change.

Ans: When we burn wood the carbon in the air reacts with oxygen to produce smoke and ash. So burning of wood is an irreversible change.