

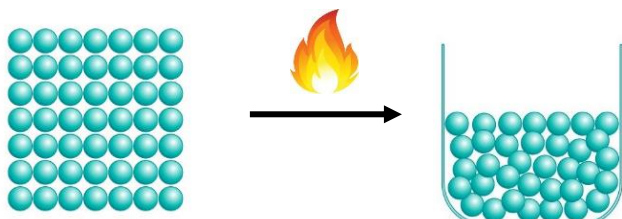


NAME: _____ CLASS: _____ SEC: _____ DATE: _____

I. Identify the phase change below and label the states.

(condensation, melting, freezing, evaporation)

1.



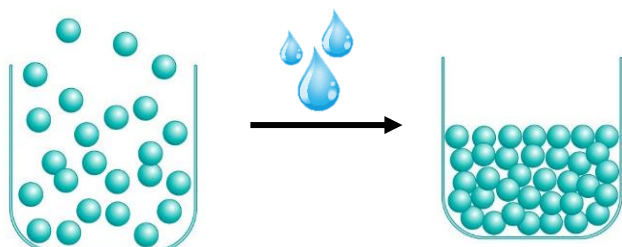
solid

liquid

Phase change:

melting

2.



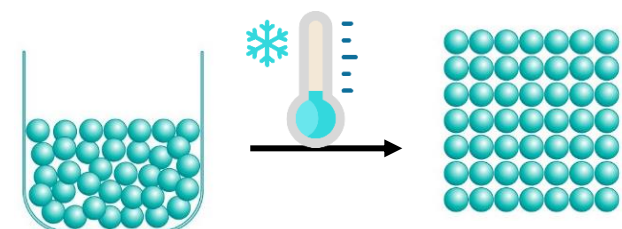
gas

liquid

Phase change:

condensation

3.



liquid

solid

Phase change:

freezing

II. Complete the given relationship and give reasons.

1. Solvent: water :: solute : lemon juice

The lemon juice dissolves in the water.

2. Souring of milk: chemical change :: Crushing a can : physical change

The can's shape changes, but the material remains the same.

3. Liquid: soda water :: Gas : Carbon dioxide

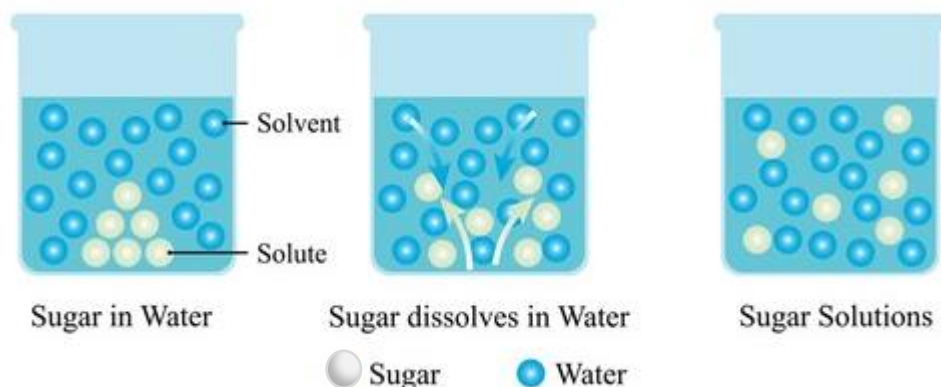
Carbon dioxide is dissolved under pressure in soda water.

III. Match the following.

Column A	Column B
1. Baking a cake	a. Produces light, heat, and new gases.
2. Microscope	b. The shape changes, but the chemical structure stays the same.
3. Explosion of fireworks	c. Heat causes ingredients to form a new substance.
4. Aquatic Ecosystems	d. An instrument used to see molecules.
5. Cutting a fruit	e. Oxygen dissolved in the water

1. c 2. d 3. a 4. e 5. b

IV. Use the diagram given below to answer the following questions.



1. Why are there empty spaces in the solvent?

The molecules in the solvent/water are not closely-packed.

2. What happens to the level of the solvent when the solute is added to it?

The level of water/ solvent remains the same because the sugar molecules fill up the empty space between the water molecules.

V. Look at the picture below. Label the items as solid, liquid, and gas.

