

Let us answer

A. Tick (✓) the correct answer

1. Which of the following is a physical change?

- a. melting of butter
- b. rusting of iron
- c. burning of paper
- d. changing of heat

2. Milk turning sour is a

- a. physical change
- b. chemical change
- c. reversible change
- d. none of these

3. Sugar and salt are soluble in water.

- a. Sugar
- b. Galk
- c. Sand
- d. Kerosene

4. In ice, the water molecules are/can

- a. stuck together
- b. very close to each other
- c. move around freely
- d. move very fast

5. The gas that bubbles out of an aerated drink is

- a. nitrogen
- b. oxygen
- c. hydrogen
- d. carbon dioxide

B. Match each word with its description.

- |                        |  |
|------------------------|--|
| 1. matter              | a. has a definite shape and volume                       |
| 2. molecules           | b. has no definite shape, but a definite <sup>volu</sup> |
| 3. gas                 | c. sugar   |
| 4. miscible (in water) | d. attraction between molecules is the <sup>le</sup>     |
| 5. solid               | e. anything that takes up space and has <sup>weig</sup>  |
| 6. liquids             | f. smallest unit of a substance                          |

D. Answer these questions.

5. What is a physical change? Give two examples.

Ans → A change in which no new substance is formed and it is temporary and can be reversed is called a physical change.

For example, melting of ice, freezing of water.

6. What is a chemical change? Give two examples.

Ans → A change in which completely new substances are formed and it is permanent and cannot be reversed is called a chemical change. For example, burning of paper, spoiling of food.

7. Give three characteristic features of a chemical change.

Ans → Some of the characteristic features of a chemical change are:

- It is a permanent change.
- It cannot be reversed.
- Completely new substances are formed.

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