

CHAPTER-5 | Changes Around Us – Physical and Chemical

QUIZ
PART-03

1. What is meant by a reversible change?
- A change that produces heat
 - A change that cannot be undone
 - A change in which the original state can be obtained again
 - A change that always forms a new substance
- (C)

Explanation : In a reversible change, the original substance or state can be brought back, such as melting and freezing of ice.

2. Which of the following is an example of a reversible change?
- Burning of wood
 - Chopping vegetables
 - Melting ice cubes
 - Making popcorn
- (C)

Explanation : Melted ice can be frozen again to form ice, so it is a reversible change.

3. Which change is irreversible in nature?
- Boiling water
 - Drying wet clothes
 - Cutting a piece of paper
 - Evaporation of water
- (C)

Explanation : Once paper is cut, it cannot be brought back to its original form.

4. Making popcorn from corn is classified as which type of change?
- Reversible change
 - Physical change
 - Irreversible change
 - Temporary change
- (C)

Explanation : Corn cannot be converted back from popcorn, so the change is irreversible.

5. Which of the following changes involves both physical and chemical changes?
- Melting of ice
 - Burning of a candle
 - Boiling of water
 - Cutting vegetables
- (B)

Explanation : In a burning candle, wax melts and evaporates (physical changes) and wax vapour burns (chemical change).

6. During the burning of a candle, melting and evaporation of wax are _____ changes.
- Chemical
 - Irreversible
 - Physical
 - Permanent
- (C)

Explanation : Melting and evaporation do not form a new substance and are physical changes.

7. The burning of wax vapour in a candle flame is a _____ change.
- Physical
 - Reversible
 - Chemical
 - Temporary
- (C)

Explanation : Burning of wax vapour forms new substances, so it is a chemical change.

8. Which of the following changes can be reversed by cooling?
- Burning wood
 - Melting ice
 - Chopping vegetables
 - Making chapati
- (B)

Explanation : Melted ice turns back into ice on cooling, showing a reversible change.

9. Rolling small balls of dough into chapatis is an example of _____.
- Chemical change
 - Reversible change
 - Irreversible change
 - Combustion
- (C)

Explanation : Once dough is rolled into chapatis, it cannot be brought back to balls, so the change is irreversible.

10. Evaporation of water is a reversible change because _____.
- It produces heat
 - It forms a new substance
 - Water vapour can condense back into water
 - It happens quickly
- (C)

Explanation : Water vapour can cool and condense back into liquid water, making evaporation reversible.