

## Chapter-4

### Worksheet-1

Q. 1: Pick the change that can be reversed from the following:

- (a) Cutting of trees
- (b) Melting of ghee
- (c) Burning of candle
- (d) Burning of flower

Q. 2: Which of the following change cannot be reversed?

- (a) Hardening of cement
- (b) Freezing of ice cream
- (c) Opening a door
- (d) Melting of chocolate

Q. 3: Which of the following is a reversible change?

- (a) Curdling of milk
- (b) Ripening of fruits
- (c) Melting of ice
- (d) Burning of wood

Q. 4: Which of the following is a desirable change?

- (a) Burning of house
- (b) Floods
- (c) Landslides
- (d) Burning of cooking gas

Q. 5: Baking of dough into bread is a kind of change.

- (a) That can be reversed
- (b) That cannot be reversed
- (c) Can't say at very hot temperature.
- (d) None of these

Q. 6: Rolling of chapatti and baking of chapatti are the changes that:

- (a) Can be reversed
- (b) Cannot be reversed
- (c) Can be reversed and cannot be reversed, respectively
- (d) Cannot be reversed and can be reversed, respectively

Q. 7: An iron ring is heated. Which of the following statement about it is incorrect?

- (a) The ring expands
- (b) The ring almost comes to the same size on cooling
- (c) The change in this case is reverse
- (d) The ring changes its shape and the change cannot be reversed

Q. 8: Salt can be separated from its solution (salt dissolved in water), because:

- (a) Mixing of salt in water is a change that can be reversed by heating and melting of salt
- (b) Mixing of salt in water is a change that cannot be reversed
- (c) Mixing of salt in water is a permanent change
- (d) Mixing of salt in water is a change that can be reversed by evaporation

Q. 9: Iron rim is made slightly smaller than the wooden wheel. The rim is usually heated before fixing into the wooden wheel, because on heating the iron rim.

- (a) Expands and fits onto the wooden wheel
- (b) Contracts and fits onto the wooden wheel
- (c) No change in the size takes place
- (d) Expands first, then on cooling contracts and fits onto the wooden wheel

Q. 10: Which of the following is an example of periodic changes?

- (a) Eruption of volcano
- (b) Heartbeat
- (c) A car accident
- (d) Landslide

Q. 11: Conversion of ice into water and water into ice is an example of change which can be reversed. Give four more examples where you can say that the changes can be reversed.

Q. 12: Give examples to explain the difference between changes that can or cannot be reversed.

Q. 13: List the characteristics of chemical change.

Q. 14: Define melting and boiling.

Q. 15: Most physical changes are reversible. Give reasons with two examples.

Q. 16: How does curd being set? Is this change reversible?

Q. 17: What is a physical change? Explain with example.

Q. 18: What happens when sugar is heated?

Q. 19: Explain how a metal rim slightly smaller than a wooden wheel can be fixed on it.

Q. 20: What are slow and fast changes? Give examples.