

## Chapter 2: Physical and Chemical Changes

### Worksheet 1

#### 1. Write T for true and F for false statement.

- (i) Cooking of food is a chemical change.
- (ii) Melting of ice is an irreversible change.
- (iii) The process of changing of a gas into a liquid on cooling is called melting.
- (iv) Most physical changes are reversible changes.
- (v) The process of changing of a gas directly into a solid is called deposition.

#### 2. Fill in the blanks.

- (i) The changes which are harmful to us are called \_\_\_\_\_ changes.
- (ii) A change in shape, size or state of a substance is called a \_\_\_\_\_ change.
- (iii) Digestion of food is a \_\_\_\_\_ change.
- (iv) The change which cannot be undone or reversed is called an \_\_\_\_\_ change.
- (v) Freezing is a \_\_\_\_\_ change.

#### 3. Match the columns.

##### Column A

- (i) Change of a liquid into a gas
- (ii) Burning of a matchstick
- (iii) Change of a solid directly into a gas
- (iv) Dissolving a salt in water
- (v) Cutting of wood

##### Column B

- (a) Irreversible change
- (b) Reversible change
- (c) Physical but irreversible change
- (d) Sublimation
- (e) Evaporation

#### 4. Answer these questions.

- (i) What is the change in which no new substance is formed called?
- (ii) In which type of change is a new substance formed?
- (iii) Which type of changes can be reversed or undone?
- (iv) Name the process of change of a substance from one physical state to another by changing its temperature.
- (v) Is photosynthesis a chemical change?

## Chapter 2: Physical and Chemical Changes

### Worksheet 2

#### 1. Write T for true and F for false statement.

- (i) A chemical change usually cannot be reversed.
- (ii) Burning of coal is a physical change.
- (iii) Rotting of banana is a chemical change.
- (iv) Iron reacts with sulphur to form iron sulphide.
- (v) Boiling of an egg is a physical change.

#### 2. Fill in the blanks.

- (i) The changes in which a substance gets converted into another form quickly are called \_\_\_\_\_ changes.
- (ii) Tearing of paper is a \_\_\_\_\_ change.
- (iii) A chemical change is also called a \_\_\_\_\_ change.
- (iv) Rusting of iron is a \_\_\_\_\_ change.
- (v) A \_\_\_\_\_ change is usually reversible.

#### 3. Define the following.

- (i) Condensation
- (ii) Melting
- (iii) Boiling
- (iv) Photosynthesis
- (v) Chemical reaction

#### 4. Answer the following questions.

- (i) Name the changes in which a substance gets converted into another form slowly.
- (ii) Which type of changes are harmful to us?
- (iii) Mention one example of a chemical change.
- (iv) In which change does a substance undergo change in shape, size or state?
- (v) What is the boiling point of water?