

# Changes Around Us

## ORAL QUESTIONS

### A. Answer these questions orally.

1. Is melting of an ice cream a reversible or an irreversible change?
2. Is breaking of a cup a physical or a chemical change?
3. Are all physical changes reversible?
4. What new substances are formed on burning wood?

## PUZZLE/QUIZ

### B. Find at least six types of changes hidden in the following word maze. Classify them as reversible or irreversible changes.

1. Reversible changes

---



---



---

2. Irreversible changes

---



---



---

D	I	S	S	O	L	V	I	N	G
A	X	G	D	H	R	I	E	C	E
X	B	U	R	N	I	N	G	P	Q
W	F	T	G	S	B	H	P	O	R
C	O	O	K	I	N	G	N	Z	A
E	V	O	M	E	L	T	I	N	G
F	O	L	D	I	N	G	M	B	K
I	N	G	L	A	T	I	N	G	C
F	R	E	E	Z	I	N	G	J	L

## CLASS TEST

### C. MCQ–Tick (✓) the correct option.

1. Identify which of the following is a chemical change?

(a) Making a paper aeroplane

(b) A paper boat

(c) Burning of a paper

(d) Inflating a balloon

2. Which of these is a reversible change?

- (a) Chaging of milk to curd
- (b) Growing of a plant
- (c) Growing of a baby into an adult
- (d) Metting of ice

  
  
  

3. Which of these is a physical change?

- (a) Stretching a rubber band
- (b) Metting of butter
- (c) Burning a piece of coal
- (d) Changing of water into water vapour

  
  
  

4. Which of these is an irreversible change?

- (a) Burning of a matchstick
- (b) Inflating of tyres
- (c) Lighting a bulb
- (d) Inflating a balloon

**D. Very short answer questions.**

1. Water changes into water vapour on heating. Is it a physical or a chemical change?

---

2. Puja dissolved some salt in water. Is it a reversible or an irreversible change?

---

3. Is burning of a fuel a reversible or an irreversible change?

---

4. Is an irreversible change permanent or temporary?

---

5. Are most physical changes reversible or irreversible?

---

**E. Short answer questions.**

1. Give three examples of reversible changes.

---

---

2. Give three examples of irreversible changes.

---

---

3. Give three examples of physical changes.

---

---

4. Give three examples of chemical changes.

---

---

5. Classify the following changes as physical and chemical changes.

- (a) Boiling of an egg \_\_\_\_\_
- (b) Curdling of milk \_\_\_\_\_
- (c) Grinding of wheat \_\_\_\_\_
- (d) Germination of seed \_\_\_\_\_
- (e) Rusting of iron \_\_\_\_\_
- (f) Breaking of glass \_\_\_\_\_
- (g) Converting water into steam \_\_\_\_\_
- (h) Dissolving sugar in water \_\_\_\_\_
- (i) Cooking of food \_\_\_\_\_
- (j) Bursting of a cracker \_\_\_\_\_
- (k) Ripening of a fruit \_\_\_\_\_

6. Some changes can be undone or reversed. Justify this statement with two examples.

---

---

7. Can applying force bring about a change? Justify your answer.

---

---

8. List any two properties of irreversible changes.

---

---

9. List any two properties of reversible changes.

---

---

**F. Long answer questions.**

1. Tearing a paper is a physical change while burning a paper is a chemical change. Justify this statement.

---

---

---

2. How can states of matter (solid, liquid, gas) be interchanged? Explain your answer with an example.

---

---

---

3. We can bring about a change in a substance without heating it. Give atleast three examples in support of this statement.

---

---

---

4. Burning of a candle is an irreversible change while melting of wax is a reversible change. Explain.

---

---

---

---

## HOME ASSIGNMENT

### **G. Think and answer.**

1. Is burning of an incense stick a physical or a chemical change? Give reasons.

---

---

2. Plants prepare their own food by the process of photosynthesis. Is photosynthesis a reversible or an irreversible change? Is it a physical or a chemical change?

---

---

## WORKSHEET

### **H. Give reasons for the following.**

1. Burning an incense stick is considered a chemical change.

---

---

2. Evaporation of water is considered a physical change.

---

---

3. Mixing salt with water is a reversible change but mixing cement with water is an irreversible change.

---

---