

CHEMISTRY

BOOKS - ICSE

PHYSICAL AND CHEMICAL CHANGES

Exercise

- 1. (a) Define:
- (i) a physical change
- (ii) a chemical change

(b) Give two examples for each of the above two changes.



2. What are reversible and irreversible changes ? Give one example for each.

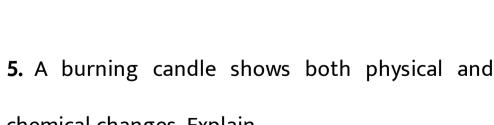


3. Mention a change which is always

(a) desirable

chemical changes. Explain.

Watch Video Solution



change? Why? **Watch Video Solution**

4. Is burning a physical change or a chemical

Watch Video Solution

(b) undesirable

(c) periodic

6. State difference between boiling and evaporation.



7. State four differences between physical and chemical changes.



- **8.** Name a chemical change which taes place in presence of :
- (a) Heat
- (b) Light
- (c) Electricity



Objective Type Questions Fill In The Blanks

1. Changes in which new substances are formed are called Changes.



2. Melting of ice is a physical change.



3. When a candle burns, wax melts, melting of wax is a _____ change.



4.	Chemical	change	occurs	as	а	result	of		
	between two substances.								
Watch Video Solution									
5. Burning of a fuel is a change.									
Watch Video Solution									
6. Revolution of the Earth is an example of									
	Watch \	√ideo Solı	ution						

7. Growing of a seedling into a plant is _____ change.



Watch Video Solution

Objective Type Questions

1. State whether the following are physical or chemical changes.

glowing of a bulb



burning of sugar



Watch Video Solution

3. State whether the following are physical or chemical changes.

heating of water



growing of a piglet into a pig



Watch Video Solution

5. State whether the following are physical or chemical changes.

burning of wood



passing electric current through a heater's rod



Watch Video Solution

7. State whether the following are physical or chemical changes.

water cycle in nature



respiration in living beings



Watch Video Solution

9. State whether the following are physical or chemical changes.

shaping a piece of glass



lightning



Watch Video Solution

11. State whether the following are physical or chemical changes.

dissolving sugar in water



heating a mixture of iron filings and sulphur



Watch Video Solution

13. State whether the following are physical or chemical changes.

mixing oil with water



cutting wood into small pieces



Watch Video Solution

15. State whether the following are physical or chemical changes.

photosynthesis



Digestion of food



Watch Video Solution

17. State whether the following are physical or chemical changes.

Melting of wax



Boiling of an egg



Watch Video Solution

19. State whether the following are physical or chemical changes.

Slaking of lime



Objective Type Questions Match The Following

1.

Column A

	Column		Column
a	Evaporation of water	i	Non-periodic change
b	Milk turning sour	ii	Periodic change
c	Earthquake	iii	Chemical change
d	Change of seasons	iv	Physical change

v

Column R

Reversible change



Glowing of bulb

Objective Type Questions True Or False

1. Cutting of paper into pieces is a chemical change.



2. Rusting of iron is a chemical change.



3. Earthquake is a desirable change.



4. Melting of ice is a physical change.



5. Burning of sugar is a temporary change.



Watch Video Solution

Objective Type Questions Multiple Choice Questions

1. A substance which can not sublime is

- A. iodine
- B. camphor
- C. sugar
- D. dry ice



Watch Video Solution

2. When you put some ice cubes in a glass, droplets of water are formed on the outerwall of the glass. This explains the phenomenon of

- A. melting
- B. freezing
- C. condensation
- D. evaporation



- **3.** Burning is a
 - A. slow process
 - B. fast process

- C. natural process
- D. none of the above



- 4. Which one of the following is volatile in nature
- ?
- A. common salt
- B. petrol
- C. water

D. milk

Answer:



- **5.** An example of both physical and chemical change is
 - A. burning of candle
 - B. melting of ice
 - C. cooking of food
 - D. glowing of bulb



Watch Video Solution

- 6. The compound rust is a hydrated oxide of
 - A. copper
 - B. aluminium
 - C. iron
 - D. gold

Answer:



watch video Solution

7. When sugar is heated, its colour changes into

A. red

B. blue

C. black

D. grey

Answer:



8. A pop sound is heard when a lighted match stick is brought near the mouth of a jar. This indicates the release of gas.

A. oxygen

B. hydrogen

C. nitrogen

D. water-vapour

Answer:



9.	When	we	add	wa	ter	to	the	ž	following
suk	ostances	, wh	iich	one	will	sho	w	а	chemical
cha	ange ?								

A. salt

B. sugar

C. oil

D. quick lime

Answer:

