



# CHEMISTRY

## BOOKS - MBD

### CHANGES AROUND US

#### Example

1. To walk through a waterlogged area, you usually shorten the length of your dress by folding it. Can this change be reversed ?



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2. You accidentally dropped your favourite toy and broke it .This is a change you did not want.Can this change be reversed?



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3. A drawing sheet changes when your draw a picture on it .Can you reverse this change ?



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4. Give examples to explain the difference between changes that can or cannot be reversed.



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5. A thick coating of a Plaster of Paris (POP) is applied over the bandage on a fractured bone. It becomes hard on drying to keep the fractured bone immobilised. Can the change in POP be reversed ?



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6. A bag of cement lying in the open gets wet due to rain during the night the next day the sun shines brightly. Do you think that the changes, which have occurred in the cement, could be reversed ?



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7. What type of a change is cooking of food ?





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8. What happens when we blow air into a balloon?



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9. Can rolled out roti be reversed back to dough?



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**10.** Give an example of irreversible change.



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**11.** When candle burns which change takes place ?



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**12.** Define a solution.



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**13.** What type of change of climate ?



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**14.** What type of change is rusting of iron?



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**15.** State whether burning of a piece of paper is a reversible or an irreversible change.



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**16.** Is printing a reversible or an irreversible change?



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**17.** Can we say that ironing of a cloth is a reversible change?



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**18.** Can deforestation be considered irreversible change?



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**19.** What type of change is ageing ?



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**20.** What type of change is conversion of water into its vapours-reversible or irreversible

change ?



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21. Is heating of coal tar a reversible change ?



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22. Is changing milk into curd a reversible change or irreversible change?



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**23.** What type of change is melting of ice ?



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**24.** Name the various changes taking place in nature.



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**25.** Give examples of changes which can be reversed easily.



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26. Write a few changes that cannot be reversed.



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27. Why is curd formation an irreversible change ?



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**28.** Coal tar (black material) is ..... before spreading on roads.



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**29.** Classify the following changes:

Melting of ice cubes.



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**30.** Classify the following changes:

Growth of hair .



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**31.** Classify the following changes:

Heating wax.



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**32.** Classify the following changes:

Burning of candle.



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**33.** Classify the following changes:

Burning of incense stick.



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**34.** Write some changes that you see around yourself.



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**35.** Write a few changes that cannot be reversed.



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**36.** Give examples of changes which can be reversed easily.



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**37.** Most physical changes are reversible. Give reasons with two examples.



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**38.** Classify the following as reversible or irreversible changes:

Growth of a plant.



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**39.** Classify the following as reversible or irreversible changes:

Ploughing a field.



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**40.** Classify the following as reversible or irreversible changes:

Melting of wax.



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**41.** Classify the following as reversible or irreversible changes:

Falling of rain.



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**42.** Classify the following as reversible or irreversible changes:

Pulling of rubber string.



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**43.** Classify the following as reversible or irreversible changes:

Breaking of a glass rod.



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**44.** Classify the following as reversible or irreversible changes:

Cooking of food.



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**45.** Define physical change and chemical change. Also give suitable examples.



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**46.** Formation of cloud is a physical change.Explain.



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**47.** State whether burning of paper is a reversible or irreversible change.



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**48.** Explain how explosion of cracker is a chemical change?



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**49.** Explain the following terms:

Reversible change



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**50.** Explain the following terms:

Irreversible change



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**51.** Explain the following terms:

Contraction



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**52.** Explain the following terms:

Evaporation



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**53.** Explain the following terms:

Condensation



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**54.** Explain the following terms:

Combustion.



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**55.** State the reason for following :

Heating of metal rim to fix on wooden wheel.



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**56.** State the reason for following :

Storing of cooked food in refrigerator.



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**57.** State the reason for following :

Coating of iron sheet with tin before making a can .



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**58.** State the reason for following :

Cutting of trees for fuel and furniture.



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**59.** State the reason for following :

Burning of a candle is a physical or chemical change.



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**60.** Fill in the blanks- Cooking of food is a/an .....change.



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**61.** It is a reversible process- Melting of ice



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**62.** To prepare curd from milk,milk is..... .

A. Heated

B. Cooled

C. Boiled

D. None.

**Answer:**



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**63.** The product of burning agarbatti is.....

A. Ash

B. Gas

C. Aroma

D. All of these

**Answer:**



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**64.** Metal rim is slightly ..... than wooden wheel.

A. Shorter

B. Bigger

C. Equal

D. None.

**Answer:**



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**65.** Coal tar (black material) is ..... before spreading on roads.

A. Heated



B. Cooled

C. Boiled

D. None.

**Answer:**



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**66.** The process , in which a substance retains its original state after any experiment is known as .....

A. Slow

B. Reversible

C. Non-reversible

D. None.

**Answer:**



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**67.** Inflating a balloon is a ..... .

A. Fast change

B. Slow change

C. Reversible change

D. Irreversible change.

**Answer:**



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**68.** Kneaded flour can be rolled into different shapes. This change is called.....

A. Fast change chemical change

B. Reversible change

C. Irreversible change.

D.

**Answer:**



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**69.** When candle burns, its length..... .

A. Decreases

B. Increases

C. Does not change

D. All of these

**Answer:**



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**70.** Which of the following changes can not be reversed ?

A. Wet clothes to dry clothes

B. Solid wax into liquid wax.

C. Bud to flower

D. Wool to knitted sweater.

**Answer:**



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**71.** Metal rim is fixed to wooden wheel by :

A. Cooling metal rim

B. Heating metal rim

C. Heating wooden wheel

D. Cooling wooden wheel

**Answer:**



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**72. Metal rod on heating:**

A. expands

B. contracts

C. depends how much it is heated

D. depends on the nature of material of the  
rod.

**Answer:**



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