



# BIOLOGY

## BOOKS - SURA BIOLOGY (TAMIL ENGLISH)

### CHANGES AROUND US

#### Example

1. When ice melts to form water, change occurs  
in its

A. position

B. colour

C. state

D. composition

**Answer:**



**Watch Video Solution**

**2. Drying of wet clothes is an example of**

A. Chemical change

B. Undesirable change

C. irreversible change

D. physical change

**Answer:**



**Watch Video Solution**

**3. Formation of curd from milk is**

A. a reversible change

B. a fast change

C. an irreversible change an undesirable change

D.

**Answer:**



**Watch Video Solution**

4. Out of the following an example of a desirable change is

A. rusting

B. change of seasons

C. earthquake

D. flooding

**Answer:**



**Watch Video Solution**

5. Air pollution leading to Acid rain is a

A. reversible change

B. fast change

C. natural change

D. human made change

**Answer:**



**Watch Video Solution**

6. Magnet attracts iron needle. This is \_\_\_\_\_ change .[a reversible/an irreversible].

A. a reversible

B. an irreversible

C.

D.

**Answer:**



**Watch Video Solution**

7. Boiling of egg results in \_\_\_ change.

A. a reversible

B. an irreversible

C.

D.

**Answer:**



**Watch Video Solution**

**8.** Changes that are harmful to us are \_\_\_.

A. desirable

B. undesirable

C.

D.



**Answer:**



**Watch Video Solution**

9. Bursting of fire crackers is a \_\_\_\_ change  
whereas germination of seeds is  
a \_\_\_\_ change.



**Watch Video Solution**

10. Plants convert Carbon-dioxide and water  
int starch.This is an example of change.

A. natural

B. human made

C.

D.

**Answer:**



**Watch Video Solution**

**11.** True or False .If False , give the correct statement: Growing of teeth in an infant is slow chnage.



[Watch Video Solution](#)

**12.** True or False .If False , give the correct statement: Burning of match stick is areversible change.



[Watch Video Solution](#)

**13.** True or False .If False , give the correct statement: Change of New moon to Full moon is human made.



[Watch Video Solution](#)

**14.** True or False .If False , give the correct statement: Digestion of food is a physical change.



[Watch Video Solution](#)

**15.** True or False .If False , give the correct statement: In a solution of salt in water ,water is the solute,



[Watch Video Solution](#)

16. Analogy: Curdling of milk :irreversible  
chnage:: Formation of clouds: \_\_\_change.



[Watch Video Solution](#)

17. Analogy: Photosynthesis: \_\_\_change  
::burning of coal:Human -made change.



[Watch Video Solution](#)

**18.** Analogy: Change of seasons: slow  
change::Bursting of baloon:\_\_\_\_\_change



**Watch Video Solution**

**19.** Analogy: Cooking of food :desirable  
change:: decaying of food :\_\_\_change



**Watch Video Solution**

**20. Analogy: Burning of matchstick: \_\_\_\_\_ change**

**: Rotation of the Earth :Slow change**



**Watch Video Solution**

**21. Circle the odd one out. Give reason for your**

**choice. Growth of a child, Blinking of eye ,**

**Rusting, Germination of a seed**



**Watch Video Solution**

**22.** Circle the odd one out. Give reason for your choice. Glowing of a bulb, lighting of a Candle, breaking of a coffee mug, curdling of milk.



**Watch Video Solution**

**23.** Circle the odd one out. Give reason for your choice. Rotting of an egg, condensation of water vapour, trimming of hair, Ripening of fruit.







[Watch Video Solution](#)

**24.** Circle the odd one out. Give reason for your choice. Inflating a ballon ,fading of wall paint, burning of kerosene.



[Watch Video Solution](#)

**25.** What kind of a change is associated with decaying of a plants?



[Watch Video Solution](#)

**26.** You are given some candle wax. Can you make a candle doll from it? What kind of change is this?



**Watch Video Solution**

**27.** Define a slow change.



**Watch Video Solution**

**28.** What happens when cane sugar is strongly heated? Mention any two changes in it.



**Watch Video Solution**

**29.** What is a solution?



**Watch Video Solution**

**30.** What happens when paper is burnt? Explain.



[Watch Video Solution](#)

**31.** What type of changes is associated with germination of a seed? Explain.



[Watch Video Solution](#)

**32.** Give one example in each case that happens around you: Slow and fast change.



[Watch Video Solution](#)

**33.** Give one example for each case that happens around you.

Reversible and irreversible change.



**Watch Video Solution**

**34.** Give one example in each case that happens around you: Physical and chemical change



**Watch Video Solution**

**35.** Give one example in each case that happens around you: Natural and man-made change



**Watch Video Solution**

**36.** Give one example in each case that happens around you Desirable and undesirable change



**Watch Video Solution**

**37.** When a candle is lit the following are observed.

a. Wax melts.

b. Candle keeps burning

c. The size of the candle decreases.

d. The molten wax solidifies

e. Which of the changes can be reversed?

Justify your answer.



**Watch Video Solution**

38. Growth of seed into sapling is \_\_\_\_ change.

A. slow

B. man made

C. reversible

D. undesirable

**Answer:**



**Watch Video Solution**



**39.** Which of the following is not a man-made change?

A. Burning of fuels

B. Drying of clothes

C. Tearing of paper

D. Change of day and night

**Answer:**



**Watch Video Solution**

40. \_\_\_\_ change is a temporary change

A. Physical

B. Chemical

C. Undesirable

D. Slow

**Answer:**



**Watch Video Solution**

41. Raining is a \_\_\_\_ change.

A. human made

B. undesirable

C. chemical

D. natural

**Answer:**



**Watch Video Solution**

**42.** \_\_\_ changes which take place within a short period of time.

A. fast

B. slow

C.

D.

**Answer:**



**Watch Video Solution**

**43.** When Touch me not plant is touched by us \_\_\_\_\_ changes occur.

A. reversible

B. irreversible

C.

D.

**Answer:**



**Watch Video Solution**

**44.** Tearing of sheet of paper into pieces is \_\_\_ change.

A. chemical

B. physical

C.

D.

**Answer:**



**Watch Video Solution**

**45.** By the process of Heating of water \_\_\_ is obtained.



 [Watch Video Solution](#)

46. \_\_\_ is the substance that is dissolved in a solvent.



[Watch Video Solution](#)

47. The changes in which new substance with new chemical properties are formed are \_\_\_ changes.



[Watch Video Solution](#)

**48.** Deforestation is \_\_\_ change.



**Watch Video Solution**

**49.** Find whether the following sentences are true or false. If false Correct the statement: The difference between initial state and the final state is called change.



**Watch Video Solution**



**50.** Find whether the following sentences are true or false.If false Correct the statement: Gas exists in three states as solid,liquid and gas,



**Watch Video Solution**

**51.** Find whether the following sentences are true or false.If false Correct the statement: Water into steam on heating is called freezing.



**Watch Video Solution**

**52.** Find whether the following sentences are true or false.If false Correct the statement:  
When solut is dissolved in a solvent it forms a solution.



**Watch Video Solution**

**53.** Find whether the following sentences are true or false.If false Correct the statement:  
Chemical change is a temporary change.



**Watch Video Solution**

**54.** Find whether the following sentences are true or false.If false Correct the statement:  
Natural changes which take place in nature on their own ,are beyond the control of human being,



**Watch Video Solution**

**55.** Find whether the following sentences are true or false.If false Correct the statement:  
Construction of building is a Natural change.





[Watch Video Solution](#)

56. Analogy: Germination of seed: slow change.

Breaking of glass: \_\_\_\_\_



[Watch Video Solution](#)

57. Analogy. Making idly from batter:

Irreversible change:: \_\_\_\_\_: Reversible change.



[Watch Video Solution](#)

**58.** Analogy: Melting of ice:Physical change.

Popping of popcorn:\_\_\_\_\_



**Watch Video Solution**

**59.** Analogy: Melting :iceint water on heating.

freezing:\_\_\_\_\_



**Watch Video Solution**

**60.** Analogy: Changing of phases of the moon:

Natural changes. Cultivation of paddy:\_\_\_\_\_



**Watch Video Solution**

**61. Match the following:**

i. Lighting	a) Physical change
ii. Touch me not plant leaves showing	b) camphor
iii. Sugar dissolving	c) Water
iv. Sublimation	d) Reversible change
v. Universal solvent	e) Fast change



**Watch Video Solution**

**62. What is change?**



**Watch Video Solution**

**63.** What is reversible change? Give example.



**Watch Video Solution**

**64.** What is melting? Give example.



**Watch Video Solution**

**65.** Define sublimation.



**Watch Video Solution**

**66.** Water is known as universal solvent. Why?



**Watch Video Solution**

**67.** What is the meaning of natural changes?

Give example.



**Watch Video Solution**

**68.** What is artificial changes? Give example.



**Watch Video Solution**



69. Distinguish physical and chemical changes.



Watch Video Solution

## Exercise

1. Formation of curd from milk is \_\_\_.

A. a reversible change

B. a fast change

C. an irreversible change

D. an undesirable change

**Answer:**



**Watch Video Solution**

2. Drying of wet clothes in air is an example of \_\_\_\_.

A. Chemical change

B. undesirable change

C. irreversible change

D. physical change

**Answer:**



**Watch Video Solution**

3. Bursting of balloon is a \_\_\_\_\_ change.

A. fast

B. slow

C.

D.

**Answer:**



**Watch Video Solution**

4. Rotation of the earth is a \_\_\_ change.

A. human made

B. undesirable

C. fast

D. natural

**Answer:**



**Watch Video Solution**

5. When we cool the water \_\_\_ is obtained

A. ice

B. steam

C.

D.

**Answer:**



[Watch Video Solution](#)

6. The change of state from solid to gas directly is called \_\_\_\_\_.



[Watch Video Solution](#)

7. Making idly from batter is a \_\_\_\_\_ change.

A. reversible

B. irreversible

C.

D.

**Answer:**



**Watch Video Solution**

**8.** Find whether the following sentences are true or false. If false correct the statement.  
Sublimation is a chemical change.



**Watch Video Solution**

**9.** Find whether the following sentences are true or false.If false correct the statement.

Physical change is irreversible.



**Watch Video Solution**

**10.** Find whether the following sentences are true or false.If false correct the statement.

Forest fire is an undesirable change.



**Watch Video Solution**



**11.** Find whether the following sentences are true or false.If false correct the statement.

Construction of building is a Natural change.



**Watch Video Solution**

**12.** Circle the odd one out and give reason.

Cooking, Deforestation, Cultivating crops, Rain.



**Watch Video Solution**

13. Define the term : solution .



[Watch Video Solution](#)

14. \_\_\_\_\_ is known as the universal solvent.



[Watch Video Solution](#)

15. Anology: Cooking: man-made change:: Rain:

\_\_\_\_\_.



[Watch Video Solution](#)

16. Analogy: Irreversible change :Rusting of iron::Reversible change: \_\_\_\_\_



[Watch Video Solution](#)

17. Stretching of a rubber band is a \_\_\_\_\_ change.

A. reversible

B. irreversible

C.

D.

**Answer:**



**Watch Video Solution**

**18.** What is fast change? Give example.



**Watch Video Solution**

**19.** True or false. If false, change the statement.

No new substances are formed in chemical change.



**Watch Video Solution**

**20.** Distinguish physical and chemical changes.



**Watch Video Solution**

21. Give one example for each case that happens around you.

Reversible and irreversible change.



[Watch Video Solution](#)

22. Carpentary is a \_\_\_\_\_ change.

A. natural

B. human made

C.

D.

**Answer:**



**Watch Video Solution**

**23.** Landslide is a \_\_\_\_\_ change.

A. natural

B. artificial

C.

D.

**Answer:**



**Watch Video Solution**

**24.** What is an undesirable change? Give example.



**Watch Video Solution**

**25.** Growing of teeth in an infant is \_\_\_\_\_ change.



A. fast

B. slow

C.

D.

**Answer:**



**Watch Video Solution**