



# CHEMISTRY

## NCERT - NCERT CHEMISTRY(TELUGU)

### CHANGES AROUND US

#### Exercise

1. Is the change of ice into water, a temporary or permanent change ? Explain.



[Watch Video Solution](#)

2. How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it ? Explain.



[Watch Video Solution](#)

3. How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it ? Explain.



[Watch Video Solution](#)

4. How do you know that rusting of iron is a change? If you are given two eggs, can you determine which one is boiled and which one is not ? Explain.



[Watch Video Solution](#)

5. Name five changes you notice in your surroundings. Classify them as natural or man-made changes.



[Watch Video Solution](#)

6. Choose incorrect statements from the following and rewrite them correctly. There is a cause for every change.



**Watch Video Solution**

7. Some changes are listed below, classify them as temporary and permanent. Ripening of oranges



**Watch Video Solution**

8. We use clay to make idols. Can we get back clay from the idol ? What type of change is it ? Explain.



**Watch Video Solution**

9. Carpenter made a chair using wood, what type of change is it?



**Watch Video Solution**

**10.** Baking of dough into bread is a kind of change



**Watch Video Solution**

**11.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing experiments and write down the steps of the process?



**Watch Video Solution**

12. Write various process involved in making ghee from milk. What changes do you find, during this process?



Watch Video Solution

13. Which month had maximum rainfall?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

14. Which season occurs in the month of August? How can you support your answer?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

15. In which month is the duration off dry minimum? What could be the reason for this?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31





Watch Video Solution

16. Do you find any relation between sunrise and seasons?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

17. What changes can you identify from January to August?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17:31



[Watch Video Solution](#)

18. Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?



[Watch Video Solution](#)

**19.** Select a plant in your house/school observe and record changes keeping in view height of plant, number of leaves and flowers etc. Over a period of 2 months. Display your observations in the following table.



**Watch Video Solution**

**20.** Sita wondered and felt very happy to see the beauty of the fields and insects like twinkling beetle (glow-worm) during rainy

season in their village. Can you list some such changes which make you wonder and feel happy?



**Watch Video Solution**

21. Why does the colour of the tea change on addition of lemon juice?



**Watch Video Solution**

22. How did red patch or stains get on her brother's shirt?



[Watch Video Solution](#)

23. How do we see colours ?



[Watch Video Solution](#)

24. How do we know that it (Fe) has changed?



[Watch Video Solution](#)

**25.** What are the possible reasons for that change?that means brown stains on shirt



**Watch Video Solution**

**26.** change of milk to curd is physical change or chemical change?



**Watch Video Solution**

**27.** How would we check if the reason is correct for rusting of iron on cloths?



**Watch Video Solution**

**28.** How do you know that milk is changed into curd ?Is there any change in its state ? Is there any change in its volume ? Is there any change In the weight?



**Watch Video Solution**

**29.** Can you describe what happens when milk is converted into curd or yoghurt from your understanding of proteins?



**Watch Video Solution**

**30.** How do you know that milk is changed into curd ?Is there any change in its state ? Is there any change in its volume ? Is there any change in the weight?



**Watch Video Solution**



**31.** How do you know that milk is changed into curd ? Is there any change in its state ? Is there any change in its volume ? Is there any change In the weight?



**Watch Video Solution**

**32.** How do you know that milk is changed into curd ? Is there any change in its state ? Is there any change in its volume ? Is there any change In the weight?





[Watch Video Solution](#)

**33.** How do you know that milk is changed into curd ? Is there any change in its state ? Is there any change in its volume ? Is there any change in the weight?



[Watch Video Solution](#)

**34.** Calculate the atomic mass of sulphuric acid?



[Watch Video Solution](#)

**35.** Why do we notice change in bowl 2 through we took milk in both bowls 2 and 3 in curd formation?



**Watch Video Solution**

**36.** Why do we notice change in bowl 2 through we took milk in both bowls 2 and 3 in curd formation?



**Watch Video Solution**

**37.** What changes do you observe with the change of seasons every year?



**Watch Video Solution**

**38.** List the types of clothes we wear in different seasons.



**Watch Video Solution**

**39.** Is there any change in coldness and hotness of the air around us?



**Watch Video Solution**

**40.** Is there any change in duration of day and duration of night?



**Watch Video Solution**

**41.** In our state people eat rice and rice items where as in Rajasthan people eat chapati.

Explain the reasons.



**Watch Video Solution**

**42.** Changes in seasons



**Watch Video Solution**

**43.** Changes in seasons



[Watch Video Solution](#)

**44.** Compare the duration of days in December and May months with the help of the table given below. Answer the following questions. What is the duration of the longest day in December ?



[Watch Video Solution](#)

**45.** Compare the duration of days in December and May months with the help of the table given below. Answer the following questions.  
What is the duration of the longest day in May ?



**Watch Video Solution**

**46.** Compare the duration of days in December and May months with the help of the table given below. Answer the following questions.



Do December and May belong to the same season? If not, to which seasons do they belong ?



**Watch Video Solution**

**47.** Do you find any change in direction of sunrise between winter and summer season?



**Watch Video Solution**

**48.** What difference do we notice? Try to find the direction in which the sun rise even if it is not winter at the time of reading the chapter.

A. north

B. south

C. east

D. none

**Answer:**



**Watch Video Solution**

**49.** Does the sunrise exactly in the east in all seasons ? What activity you do to find out the direction of the rising sun in different seasons?



**Watch Video Solution**

**50.** What difference do you notice in length and direction of the shadows?



**Watch Video Solution**

**51.** Does the sunrise exactly in the east in all seasons ? What activity you do to find out the direction of the rising sun in different seasons?



**Watch Video Solution**

**52.** Which change is slow and which is fast?



**Watch Video Solution**

**53.** Which changes take place naturally?



**Watch Video Solution**

**54.** Which change needs initiation /  
intervention of human beings to occur?



**Watch Video Solution**

**55.** Are they (coal, crackers) temporary changes  
or permanent changes?



**Watch Video Solution**

**56.** Are there any other properties by which you can categorize the above changes?



**Watch Video Solution**

**57.** Which organism converts milk to curd?



**Watch Video Solution**

**58.** What precautions should you follow before you taste any substance?



**Watch Video Solution**

**59.** Which changes take place naturally?



**Watch Video Solution**

**60.** Which change needs initiation / intervention of human beings to occur?



[Watch Video Solution](#)

**61.** What type of change is seasonal change and what type of change is change of milk into curd?



[Watch Video Solution](#)

**62.** Write a note on indicators and causes for a change.



[Watch Video Solution](#)



**63.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing experiments and write down the steps of the process?



**Watch Video Solution**

**64.** Write various process involved in making ghee from milk. What changes do you find, during this process?



**Watch Video Solution**

**65.** Which change is slow and which is fast?



**Watch Video Solution**

**66.** Ice melts into water it is a



**Watch Video Solution**

**67.** Write the indicators and causes for the other changes given below. Melting of icecream



**Watch Video Solution**

**68.** Write the indicators and causes for the other changes given below. Growth in plants



**Watch Video Solution**

**69.** Write the indicators and causes for the other changes given below. Boiling an egg in water.



**Watch Video Solution**

**70.** Melting of ice-cream is a



**Watch Video Solution**

71. Write the indicators and causes for the other changes given below. Boiling an egg in water.



[Watch Video Solution](#)

72. Write the indicators and causes for the other changes given below. Electric bulb on and off



[Watch Video Solution](#)

**73.** Write the indicators and causes for the other changes given below. Changes in Atti-Patti plant.



**Watch Video Solution**

**74.** Are you able to categorize these changes as slow or fast, natural or man . Made temporary or permanent.



**Watch Video Solution**

**75. A natural change:**

- A. 1. Electric bulb glowing when we put the switch on.
- B. 2. Getting raw rice by removing the husk.
- C. 3. Firing crackers on a deepavali day
- D. 4. A glow warm giving light during nights

**Answer:**



**Watch Video Solution**

76. Give two examples of fossil fuels.

A. Natural gas.

B. Electricity

C. Fire wood

D. All of these

**Answer:**



**Watch Video Solution**



77. A slow change:

A. Changes in touch me not leaves

B. Change of seasons

C. Rusting of iron

D. Both B&C

**Answer:**



**Watch Video Solution**

**78.** Which of the following is a fast change

- A. Change in seasons
- B. Growth in plants
- C. Melting of ice cream
- D. Digestion of food

**Answer:**



**Watch Video Solution**

79. The conversion of gas into liquid is called

\_\_\_\_\_ .

A. Condensation

B. Evaporation

C. Sublimation

D. Crystallization

**Answer:**



**Watch Video Solution**

## 80. Changes in seasons

A. Revolution of earth

B. Rotation of earth

C. Position of sun

D. phases of the moon

**Answer:**



**Watch Video Solution**

**81.** Generally it is winter in Andhra pradesh during the month of

A. May

B. July

C. December

D. April

**Answer:**



**Watch Video Solution**

**82.** In summer season what type of cloths do you wear?

- A. Cotton clothes
- B. Woolen clothes
- C. Silk clothes
- D. Water-proof clothes

**Answer:**



**Watch Video Solution**

**83.** A magnetic needle which is free to rotate always shows

- A. North- East direction
- B. South- west direction
- C. East-west direction
- D. North-south direction

**Answer:**



**Watch Video Solution**

**84.** Which of the following is not permanent change?

A. Electric bulb on and off

B. Changes in touch me not plant

C. Growth in plants

D. Solidified ghee changing into liquid form

**Answer:**



**Watch Video Solution**



**85.** The change of water into water vapour is called -

- A. Evaporation
- B. Condensation
- C. Sublimation
- D. Crystallization

**Answer:**



**Watch Video Solution**

**86.** Nibha wants to buy clothes to parents for winter wear. What type of clothes would you suggest? Specify reasons.

A. Cotton

B. Slik

C. Woolen

D. Nyion

**Answer:**



**Watch Video Solution**

**87.** The slight change in the direction of.....is one of the reasons for changes in seasons.

- A. 1. Earth's rotation
- B. 2. Sun rise
- C. 3. Earth's axis of rotation
- D. 4. All of these

**Answer:**



**Watch Video Solution**

**88.** After Summer we get..... season.

A. Winter

B. Spring

C. Rainy

D. None of these

**Answer:**



**Watch Video Solution**

89. Changing milk into curd is not a.....

- A. Physical change
- B. Chemical change
- C. Slow change
- D. Permanent change

**Answer:**



**Watch Video Solution**

90. When iron rusts.....

- A. It changes colour
- B. It changes physical state
- C. It's weight increases
- D. Both A and C

**Answer:**



**Watch Video Solution**

91. Seasons are caused due to.....

A. 1. Earth's inclination

B. 2. Sun's rotation

C. 3. Rains

D. 4. Moon

**Answer:**



**Watch Video Solution**

92. A temporary change.....

A. Burning of candle

B. Growth of nails

C. Melting of ice cubes

D. Burning of coal

**Answer:**



**Watch Video Solution**



93. A change that cannot be reversed.....

- A. Cooking of food
- B. Cudding of milk
- C. Repaining of mango
- D. All of these

**Answer:**



**Watch Video Solution**

94. example for a permanent change.

- A. Souring of curd
- B. Ripening of oranges
- C. Cooking of food
- D. All of these

**Answer:**



**Watch Video Solution**

95. .... are the products of milk.

A. Butter

B. Ghee

C. Doodh peda

D. All the above

**Answer:**



**Watch Video Solution**

96. Curd is \_\_\_\_ form.

A. Liquid

B. Solid

C. Gas

D. Semi solid

**Answer:**



**Watch Video Solution**

97. We have used this as an energy source for thousands of years.

A. Running water

B. Living plants

C. Human resources

D. Rain winter

**Answer:**



**Watch Video Solution**

**98.** A natural change:

A. Rusting of iron

B. Rice to cooked rice

C. Melting of ice

D. Electric bulb on and off

**Answer:**



**Watch Video Solution**

99. Which of the following is a chemical change

A. Change of ice into water

B. Changes in Atti - Patti

C. Explosion of fire works

D. All the above

**Answer:**



**Watch Video Solution**

**100.** Days are shorter in the month of

A. January

B. December

C. March

D. June

**Answer:**



**Watch Video Solution**

**101.** Days are longer in the month of



A. December

B. May

C. August

D. March

**Answer:**



**Watch Video Solution**

**102.** Around 15th May, the direction of sunrise is very close to the

A. East

B. North

C. West

D. South

**Answer:**



**Watch Video Solution**

**103.** which of the following is not a man made change.....

A. Change of ice into water

B. Rice to cooked rice

C. Boiling an egg in water

D. Melting of candle

**Answer:**



**Watch Video Solution**

**104.** In which of the following season sunrises quite late.....

A. Summer

B. Rainy

C. Winter

D. None of these

**Answer:**



**Watch Video Solution**

**105.** Around 20th December, the direction of sunrise is a little south of

A. December

B. October

C. June

D. May

**Answer:**



**Watch Video Solution**

**106.** How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it? Explain.



[Watch Video Solution](#)

**107.** some changes are listed below. Classify them as temporary or permanent.

Sl.No.	Change	Temporary / permanent
1.	Ripening of mangoes	
2.	Boiling of water	
3.	Cooking of palav	
4.	Rusting of Iron nail	
5.	Magnetising a steel bar.	



[Watch Video Solution](#)

**108.** Rafi said "flour from rice/wheat is a man made change". He wants to make a list of

examples of this kind of changes. Help him expand his list.



**Watch Video Solution**

**109.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing experiments and write down the steps of the process?



**Watch Video Solution**

**110.** Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?



**Watch Video Solution**

**111.** Sita wondered and felt very happy to see the beauty of the fields and insects like twinkling beetle (glow-worm) during rainy season in their village. Can you list some such



changes which make you wonder and feel happy?



[Watch Video Solution](#)

## Example

1. Is the change of ice into water, a temporary or permanent change ? Explain.



[Watch Video Solution](#)

2. How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it ? Explain.



[Watch Video Solution](#)

3. How do you know that rusting of iron is a change? If you are given two eggs, can you determine which one is boiled and which one is not ? Explain.



[Watch Video Solution](#)

4. Name five changes you notice in your surroundings. Classify them as natural or man-made changes.



**Watch Video Solution**

5. Some changes are listed below, classify them as temporary and permanent. Souring of curd



**Watch Video Solution**

6. We use clay to make idols. Can we get back clay from the idol ? What type of change is it ? Explain.



[Watch Video Solution](#)

7. Carpenter made a chair using wood, what type of change is it?



[Watch Video Solution](#)

**8.** What changes do you observe with the change of seasons every year?



**Watch Video Solution**

**9.** The word " mole " was introduced by whom?



**Watch Video Solution**

**10.** Rafi said "flour from rice/wheat is a man made change". He wants to make a list of

examples of this kind of changes. Help him expand his list.



**Watch Video Solution**

**11.** What is responsible for curding of milk ?

Give your reasons.



**Watch Video Solution**

**12.** Why shouldn't we taste unknown things ?



**Watch Video Solution**

**13.** We read in childhood that " Sun rises in the east ". Do you think it is exactly coreect ? Give your views.



**Watch Video Solution**

**14.** Can you describe what happens when milk is converted into curd or yoghurt from your understanding of proteins?



**Watch Video Solution**

**15.** What is the position of neutron in an atom?



**Watch Video Solution**

**16.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing experiments and write down the steps of the process?



**Watch Video Solution**



**17.** Write various process involved in making ghee from milk. What changes do you find, during this process?



**Watch Video Solution**

**18.** How the milk change in to curd?



**Watch Video Solution**

**19.** What are the conditions that favour in chaging of milk to curd ?



**Watch Video Solution**

**20.** Does the sunrise exactly in the east in all seasons ? What activity you do to find out the direction of the rising sun in different seasons?



**Watch Video Solution**

21. Select an area in your locality. Observe the animals (living and visiting) for a day. Prepare a list ?



[Watch Video Solution](#)

22. Observe the following table and answer the questions given below.

Which month observed maximum rainfall ?

Place	Month	Temperature		Rainfall	Sunrise	Sunset
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41mm	6.50	17.12
	April	39°C	47°C	0.01mm	6.11	17.47
	August	24°C	34°C	39.12mm	6.37	17.31



[Watch Video Solution](#)

23. Which season occurs in the month of August? How can you support your answer?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

24. Do you find any relation between sunrise and \_\_\_\_\_ seasons?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



[Watch Video Solution](#)

25. Observe the following table and answer the questions given below.

What changes do you identify from January to August ?

Place	Month	Temperature		Rainfall	Sunrise	Sunset
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41mm	6.50	17.12
	April	39°C	47°C	0.01mm	6.11	17.47
	August	24°C	34°C	39.12mm	6.37	17.31



[Watch Video Solution](#)

**26.** Observe the timings of sunrise and sunset during December and May months. Comment on it ?



**Watch Video Solution**

**27.** Explain the causes of the given change.  
milk to curd



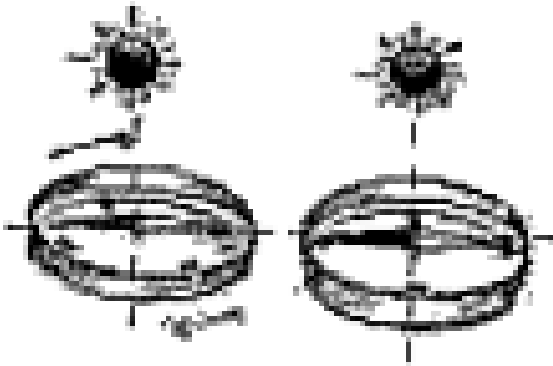
**Watch Video Solution**

## 28. Changes in seasons

 [Watch Video Solution](#)

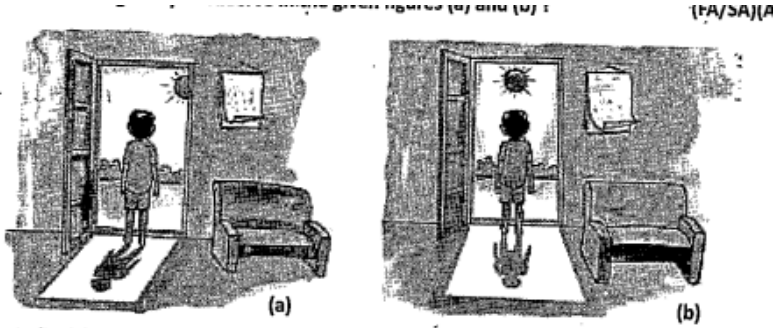
29. What do you observe in the given picture ?

Comment on it.



 [Watch Video Solution](#)

30. What change do you observe in the given figures (a) and (b) ?



[Watch Video Solution](#)

31. Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?





[Watch Video Solution](#)

**32.** Appreciate the taste of curd in your words.



[Watch Video Solution](#)

**33.** What is the position of electron in an atom?



[Watch Video Solution](#)

**34.** Choose incorrect statements from the following and rewrite them correctly. The coldness in air during winter is a permanent change,



**Watch Video Solution**

**35.** Choose incorrect statements from the following and rewrite them correctly. Boiled egg is a temporary change.



**Watch Video Solution**

**36.** Choose incorrect statements from the following and rewrite them correctly. There is a cause for every change.



**Watch Video Solution**

**37.** Choose incorrect statements from the following and rewrite them correctly. An electric bulb going on and off is a permanent change.



**Watch Video Solution**

**38.** Choose incorrect statements from the following and rewrite them correctly. There is a change in state when icecream melts.



**Watch Video Solution**

**39.** The changes like chicks came out of eggs, blossoming flowers etc, are very pretty to see. List out such changes around you which make you feel happy on observation.



[Watch Video Solution](#)

40. Write the properties of alcohol?



[Watch Video Solution](#)

41. By observing seasons what precautions do you take before the arrival of seasons?



[Watch Video Solution](#)

1. Is the change of ice into water, a temporary or permanent change ? Explain.



**Watch Video Solution**

2. How do you know that rusting of iron is a change? If you are given two eggs, can you determine which one is boiled and which one is not ? Explain.



**Watch Video Solution**

3. Carpenter made a chair using wood, what type of change is it?



**Watch Video Solution**

4. Write various process involved in making ghee from milk. What changes do you find, during this process?



**Watch Video Solution**

5. Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?



**Watch Video Solution**

6. How can you say that milk is a colloid or colloidal solution?



**Watch Video Solution**



7. When you burn a piece of wood different changes take place. Analyse the following.

A. naturally

B. artificially

C. a & b

D. none

**Answer:**



**Watch Video Solution**

8. Things which signify the changes are called

.....

A. 1. indicators

B. 2. signifier

C. 3. 1 & 2

D. 4. truth tellers

**Answer:**



**Watch Video Solution**

9. .... is a man-made change.

A. pollution

B. seasons

C. sunlight

D. all the above

**Answer:**



**Watch Video Solution**

10. example for a permanent change.

- A. souring of curd
- B. ripening of oranges
- C. cooking of food
- D. all the above

**Answer:**



**Watch Video Solution**

**11. .... are the products of milk.**

- A. butter

B. ghee

C. doodhpeda

D. all the above

**Answer:**



**Watch Video Solution**

**Improve Your Learning**

1. Is the change of ice into water, a temporary or permanent change ? Explain.



[Watch Video Solution](#)

2. How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it ? Explain.



[Watch Video Solution](#)

3. How do you know that rusting of iron is a change? If you are given two eggs, can you

determine which one is boiled and which one is not ? Explain.



**Watch Video Solution**

4. Name five changes you notice in your surroundings. Classify them as natural or man-made changes.



**Watch Video Solution**

5. Choose incorrect statements from the following and rewrite them correctly. There is a cause for every change.

A. The coldness in air during winter is a permanent change

B. Boiled egg is a temporary change

C. There is a cause for every change.

D. An electric bulb going on and off is a permanent change.



**Answer:**



**Watch Video Solution**

6. Some changes are listed below, classify them as temporary and permanent. Souring of curd



**Watch Video Solution**

7. Some changes are listed below, classify them as temporary and permanent. Ripening of oranges



[Watch Video Solution](#)

**8.** Some changes are listed below, classify them as temporary and permanent. The sawing of a piece of wood into two



[Watch Video Solution](#)

**9.** Some changes are listed below, classify them as temporary and permanent. Cooking of food



[Watch Video Solution](#)

10. some changes are listed below. Classify them as temporary or permanent.

Sl.No.	Change	Temporary / permanent
1.	Ripening of mangoes	
2.	Boiling of water	
3.	Cooking of palav	
4.	Rusting of iron nail	
5.	Magnetising a steel bar.	



[Watch Video Solution](#)

11. We use clay to make idols. Can we get back clay from the idol ? What type of change is it ? Explain.



[Watch Video Solution](#)

**12.** Carpenter made a chair using wood, what type of change is it?



[Watch Video Solution](#)

**13.** Rafi said "flour from rice/wheat is a man made change". He wants to make a list of examples of this kind of changes. Help him expand his list.



[Watch Video Solution](#)

**14.** Select an area in your locality. Observe the animals (living and visiting) for a day. Prepare a list ?



**Watch Video Solution**

**15.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing

experiments and write down the steps of the process?



**Watch Video Solution**

**16.** Write various process involved in making ghee from milk. What changes do you find, during this process?



**Watch Video Solution**

17. Observe the following table and answer the questions given below.

Which month observed maximum rainfall ?

Place	Month	Temperature		Rainfall	Sunrise	Sunset
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41mm	6.50	17.12
	April	39°C	47°C	0.01mm	6.11	17.47
	August	24°C	34°C	39.12mm	6.37	17.31



[Watch Video Solution](#)

18. Which season occurs in the month of August? How can you support your answer?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

19. In which month is the duration off dry minimum? What could be the reason for this?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution



20. Do you find any relation between sunrise and seasons?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31

 [Watch Video Solution](#)

21. Observe the following table and answer the questions give below

Place	Month	Temperature		Rainfall	Sunrise	Sunset
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41mm	6.50	17.12
	April	39°C	47°C	0.01mm	6.11	17.47
	August	24°C	34°C	39.12mm	6.37	17.31

What changes can you identify from January to August?



[Watch Video Solution](#)

**22.** Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?



[Watch Video Solution](#)

**23.** The changes like chicks came out of eggs, blossoming flowers etc, are very pretty to see.

List out such changes around you which make you feel happy on observation.



**Watch Video Solution**

**24.** Is the change of ice into water, a temporary or permanent change ? Explain.



**Watch Video Solution**

**25.** How do you know that rusting of iron is a change? If a raw egg is boiled in water, what changes do you notice in it ? Explain.



**Watch Video Solution**

**26.** How do you know that rusting of iron is a change? If you are given two eggs, can you determine which one is boiled and which one is not ? Explain.



**Watch Video Solution**

27. Name five changes you notice in your surroundings. Classify them as natural or man-made changes.



[Watch Video Solution](#)

28. Choose incorrect statements from the following and rewrite them correctly. The coldness in air during winter is a permanent change,



[Watch Video Solution](#)

**29.** Some changes are listed below, classify them as temporary and permanent. Souring of curd



**Watch Video Solution**

**30.** Some changes are listed below, classify them as temporary and permanent. Ripening of oranges



**Watch Video Solution**

**31.** Some changes are listed below, classify them as temporary and permanent. The sawing of a piece of wood into two



**Watch Video Solution**

**32.** Some changes are listed below, classify them as temporary and permanent. Cooking of food



**Watch Video Solution**

**33.** some changes are listed below. Classify them as temporary or permanent.

Sl.No.	Change	Temporary / permanent
1.	Ripening of mangoes	
2.	Boiling of water	
3.	Cooking of palav	
4.	Rusting of iron nail	
5.	Magnetising a steel bar.	



**Watch Video Solution**

**34.** We use clay to make idols. Can we get back clay from the idol ? What type of change is it ? Explain.



**Watch Video Solution**



**35.** Carpenter made a chair using wood, what type of change is it?



**Watch Video Solution**

**36.** Rafi said "flour from rice/wheat is a man made change". He wants to make a list of examples of this kind of changes. Help him expand his list.



**Watch Video Solution**

**37.** The green substance present in leaves and other parts of plant is called



**Watch Video Solution**

**38.** What will happen if a decorative colour paper is dipped in water? Predict the possible changes. Verify your prediction by doing experiments and write down the steps of the process?



**Watch Video Solution**

39. Write various process involved in making ghee from milk. What changes do you find, during this process?

 [Watch Video Solution](#)

40. Which month had maximum rainfall?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31

 [Watch Video Solution](#)

41. Which season occurs in the month of August? How can you support your answer?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

42. In which month is the duration off dry minimum? What could be the reason for this?

1. Observe the following table and answer the questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

43. Do you find any relation between sunrise and seasons?

1. Observe the following table and answer the following questions.

Place	Month	Temperature		Rain fall	Sun rise	Sun set
		Min.	Max.			
Rentachintala	January	21°C	27°C	2.41 mm	6.50	17.12
	April	39°C	47°C	0.01 mm	6.11	17.47
	August	24°C	34°C	39.12 mm	6.37	17.31



Watch Video Solution

44. 10Decades means how many centuries?



Watch Video Solution

**45.** Farha wondered "How it could be possible for Nature to bring changes in seasons periodically". Can you add some changes like this ? How will you explain them ?



**Watch Video Solution**

**46.** The changes like chicks came out of eggs, blossoming flowers etc, are very pretty to see.

List out such changes around you which make you feel happy on observation.



**Watch Video Solution**