



CHEMISTRY

NCERT - NCERT Chemistry(TELUGU)

Changes Around Us



1. Why do we paint wooden doors and windows?



2. When a candle is burnt, what type of changes take place?

Give another example of a similar process.

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3. How is an iron gate prevented from rusting?
Vatch Video Solution
4. Fill in the blanks in the following statements.
The chemical name of vinegar is
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5. Fill in the blanks in the following statements.
Changes in which onlyproperties of a substance changes are called physical changes.
Watch Video Solution



6. Fill in the blanks in the following statements.

Changes in which new substances are formed are called_____changes.

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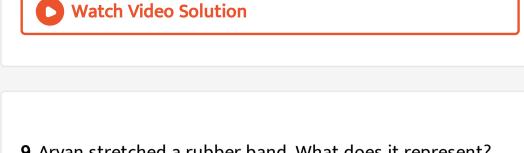
7. Fill in the blanks in the following statements.

Magnesium + Oxygen gives _____.



8. Fill in the blanks in the following statements.

Copper sulphate + Iron gives_____.



9. Aryan stretched a rubber band. What does it represent?

A. Chemical change

B. Physical change

C. Both change

D. No change

Answer:



10. Match the following:

Group - A			Group - B
1. Growing hair	()	A) due to chemical change
2. Breaking mirror	()	B) acetic acid
Galvanisation	()	C) slow change
4. Vinegar	()	D) physical change
5. Atmospheric pollution	()	E) the process of depositing zinc on iron metal

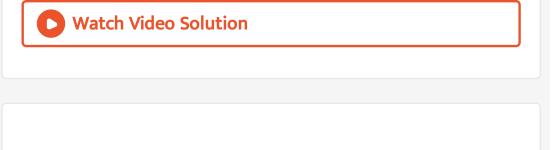
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11. Some deposits were observed in water preserved in Aluminium containers after two to three days. What is the reason for the formation of these deposits?



12. Between Coastal and dry land areas, where is rusting of

iron objects is faster?



13. Identify the incorrect statements among the following and rewrite them correctly.

Formation of manure from leaves is a physical change.



14. Identify the incorrect statements among the following

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Setting of curd is a physical change.



16. Identify the incorrect statements among the following

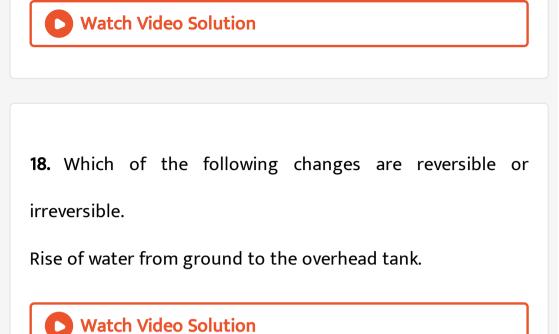
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Condensation of steam is not a chemical change.



17. Identify the incorrect statements among the following and rewrite them correctly.

Burning of Magnesium in air in a chemical change.



19. Which of the following changes are reversible or irreversible.

Setting of cement.



20. Which of the following changes are reversible or irreversible.

Absorption of water by a sponge.



21. Which of the following changes are reversible or irreversible.

Migration of birds.



22. Which of the following changes are reversible or irreversible.

Rise in temperature during summer.



23. Sudheer wants to make his vessels, which are made of Brass and copper, clean and shiny. What suggestions you would like to give him?



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26. Collect information on changes taking place in food during the process of digestion. [From the school library / internet and display your observations on the bulletin board].

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27. Collect information on the process of artificial ripening of fruits in fruit markets and discuss whether it is useful or

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29. Ravi prepared carbondioxide using baking soda and vinegar. Carbondioxide changed lime water into milky white. Represent this experiment in a diagram with labelling.

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30. Classify the changes involved in the following processes

as physical, chemical or both.

Predict possible changes and list them all.



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Give reasons.

Making a salt solution.



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Respiration.



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Ripening of a mango



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41. The gas we use in kitchen is in the form of liquid in the cylinder. When it comes out from the cylinder it becomes a gas (step I), then it burns (step II). Choose the correct statement from the following:

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42. Bacteria digest animal waste and produce biogas (step I). The Biogas is the burnt as fuel (step II). Choose the correct statement from the following:

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Answer:

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43. A piece of paper was cut into four pieces. What type of change occurred in the property of the paper?

A. Physical change

B. Chemical change

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Answer:



44. What is galvanisation?



45. Represent the crystallization of sugar through a diagram.

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46. What changes do you observe with the change of seasons

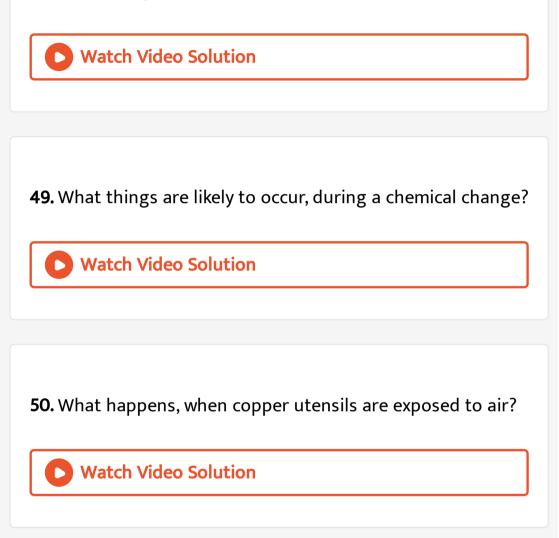
every year?



47. What is crystallisation?



48. Explain the following chemical changes : Baking soda is added to vinegar.



51. In 4R principle what is the full form of 4R's





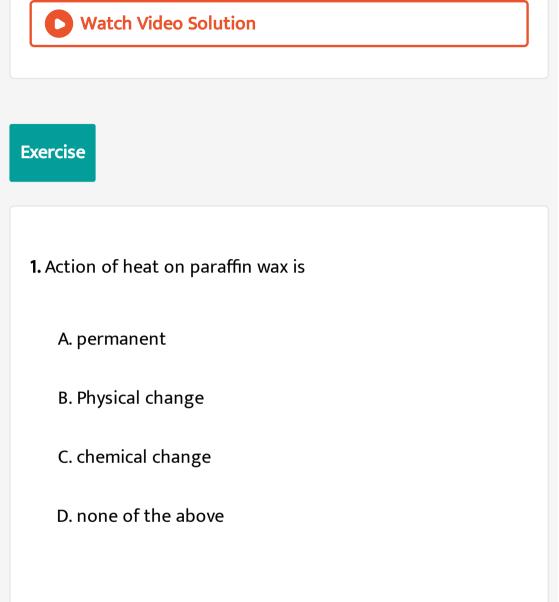
52. What happens, when a hot saturated solution (called super saturated solution) of copper sulphate is allowed to cool in an evaporating dish.



53. Write some daily activities collected from farmers, houses and nearby small industries about physical and chemical change?



54. How to prepare a saturated solution of copper sulphate?



Answer:

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2. In a physical change

A. change in composition

B. energy is released

C. energy is absorbed

D. no change in composition

Answer:

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3. Burning of sulphur in air is

A. Physical change

B. temporary change

C. chemical change

D. not possible

Answer:

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4. The colour of magnesium oxide is

A. Red

B. White

C. Yellow

D. Green

Answer:





5. Rusting of iron is

A. Chemical change

B. temporary change

C. physical change

D. not possible

Answer:



6. Physical change is

A. permanent

B. temporary

C. both A & B

D. none

Answer:



7. Melting of wax is

A. Physical change

B. Chemical change

C. both A & B

D. none

Answer:

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8. The chemcial name of lime is

A. calcium

B. calcium oxide

C. calcium hydroxide

D. calcium hydride

Answer:



9. Gas absorbed by white wash on the wall is

A. oxygen

B. carbondioxide

C. carbon monoxide

D. none

Answer:



10. S + O_2

A. SO

B. S_2O

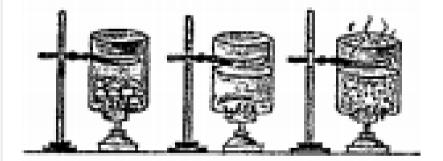
 $\mathsf{C}.SO_4$

 $\mathsf{D.}\,SO_2$

Answer:



11. Through this image we can understand that



A. water can available in 3 states.

B. on heating ice turns into water

C. water can change its state from one to another

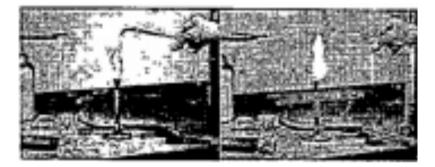
D. all of these

Answer:



12. The experiment in this image can write as following

equation:



A. vinegar + baking soda \rightarrow carbon dioxide + other

substances

B. carbon sulphate + iron \rightarrow iron sulphate + copper

C. magnesium + oxygen \rightarrow magnesium oxide

D. magnesium oxide + water \rightarrow magnesium hydroxide

Answer:



13. In this experiment nail turns into



1)blue colour

2)green colour

3)brown colour

4) white colour

A. blue colour

B. green colour

C. brown colour

D. white colour

Answer:



14. In this experiment the colour of water turns as follows



A. 1) from blue to green

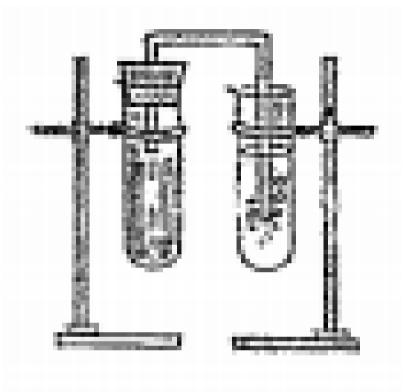
B. 2) from green to blue

- C. 3) from blue to brown
- D. 4) from green to red

Answer:

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15. In this experiment which gas is produced?



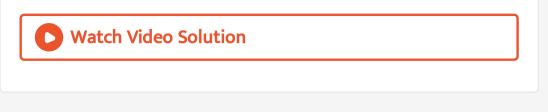
A. oxygen

B. carbondioxide

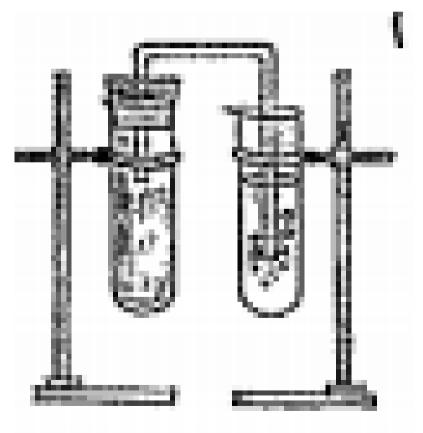
C. hydrogen

D. nitrogen

Answer:



16. In this experiment what are the liquids in the first, and second test tubes?



A. Acid and Base

B. Base and Acid

C. Acid and Acid

D. Base and Base

Answer:



17. In this picture what changes do you observe?



A. Chemical change

B. Permanent change

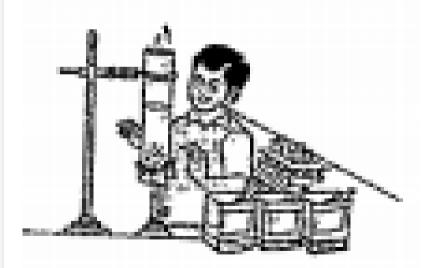
C. both A & B

D. Physical change

Answer:



18. What is the following experiment about?



A. Crystallization

B. Galvanisation

C. Corrosion

D. Rust

Answer:

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19. In the physical change, change occurs in

A. Shape of substance

B. size of substance

C. colour of substance

D. all of these

Answer:

Watch Video Solution

20. In which change new substance is formed.?

A. Physical

B. Chemical

C. Biological

D. Both A & B

Answer:

21. In a chnge the following may be produced

A. light

B. heat

C. sound

D. all of these

Answer:



22. Through crystallization we can separate

A. a soluble soild from the solution.

B. an insoluble soild from the solution.

C. a soluble liquid from the solution

D. an insoluble liquid from the solution

Answer:

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23. In the Galvanisation process which metal is used for depositing on iron?

A. Copper

B. Gold

C. Mercury

D. Zinc

Answer:

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24. Ice melts into water it is a

A. Physical change

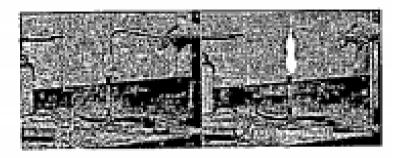
B. Reversible change

C. Slow change

D. all of these



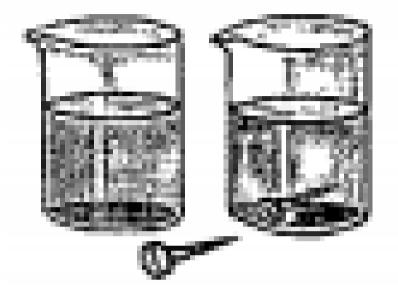
25. The end product of this experiment



- A. Zinc oxide
- B. Copper sulphate
- C. Magnesium oxide
- D. Magnesium hydroxide



26. The liquid taken in this beaker is



A. Copper sulphate

- B. Magnesium oxide
- C. Vinegar

D. Lime water





27. When lime water is sprayed on turmeric paper, its colour

is

A. yellow colour

B. white colour

C. red colour

D. green colour

Answer:



28. The rust is chemically

A. Magnesium oxide

B. Iron oxide

C. Zinc oxide

D. Calcium oxide

Answer:

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29. Which substance is responsible for rusting.

A. Air

B. Water

C. Colour

D. Gold

Answer:

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30. Through galvanisation we can protect.

A. Iron

B. Zinc

C. Copper

D. Gold

Answer:

31. Why are gold and silver often used in making ornaments?

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32. Changes in the nature are amazing natural phenomena.
Give your answer.

33. Why some fruits get a brown layer on the surface, when

cut?

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34. What are the changes observed, when small piece of woodpaper and cotton are burnt?



35. What questions you would pose to your teacher about

changes around us?

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36.

Iceconvert((heat))
ightarrow waterconvert((heat))
ightarrow watervapour

. What type of change is it? Is it reversible? If so, how?

37. Write the reactions and give reasons:

Baking soda added to vinegar.



38. Write the reactions and give reasons:

Carbondioxide gas in bubbled through lime water.



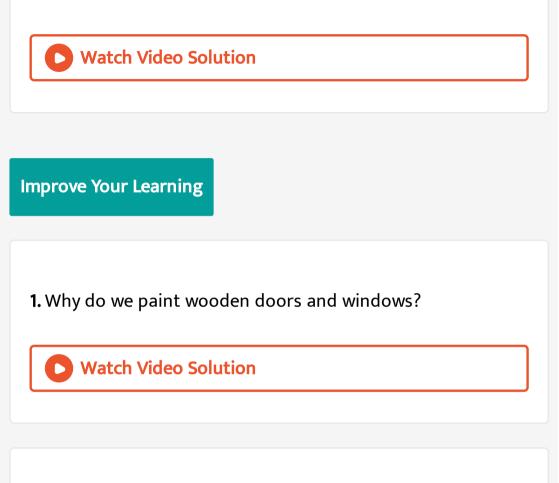
39. What is rust? What type of change is rusting physical or

chemical? Is it reversible?



40. How can we prevent browning of cut vegetables and

fruits?



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Give another example of a similar process.

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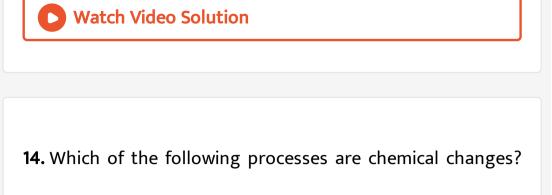
Cutting of Wood

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Give reasons.

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Give reasons.

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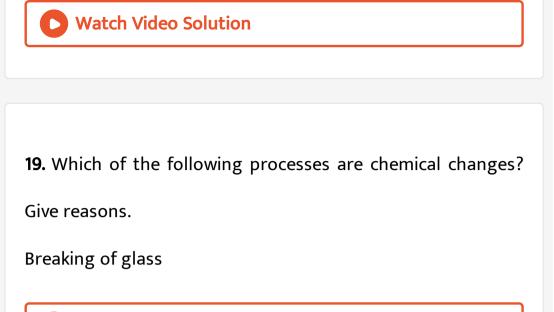
Respiration.

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21. Identify the incorrect statements among the following and rewrite them correctly.

Iron pipes coated with zinc do not get rusted.



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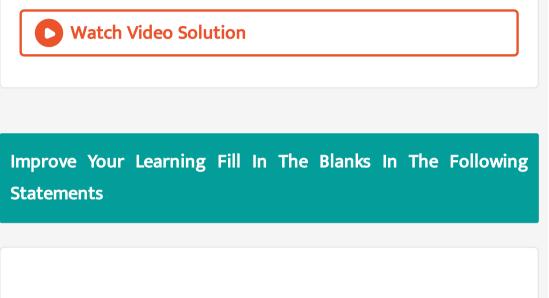
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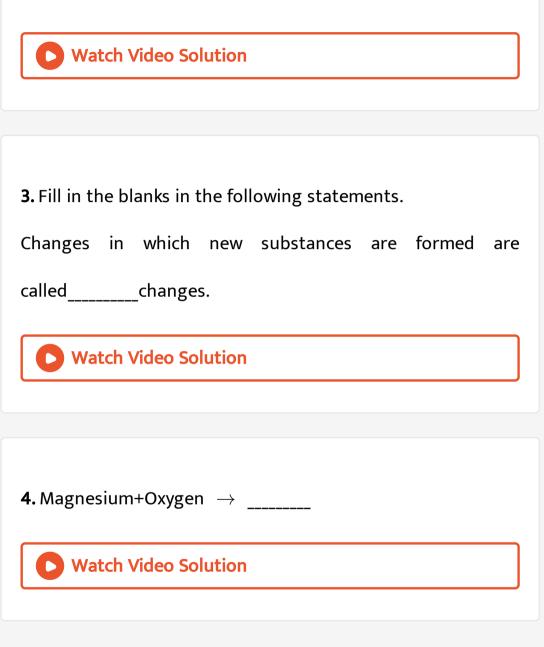
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6. Which of the following changes are reversible or irreversible.

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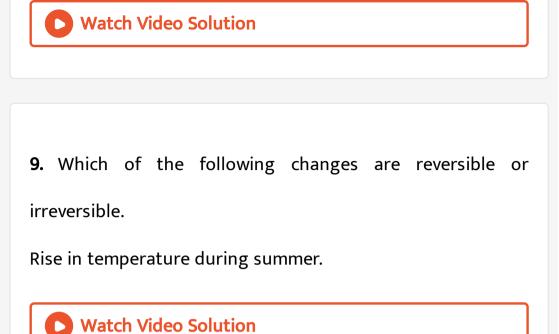
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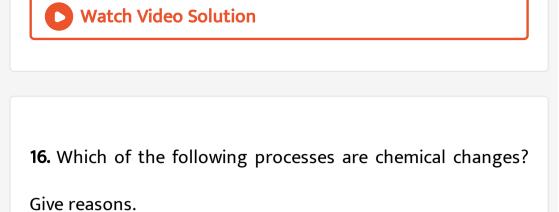
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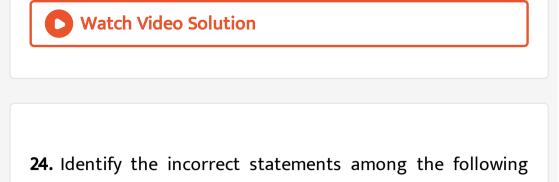
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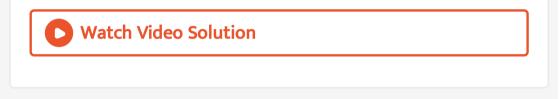
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			^	•	•	
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