



CHEMISTRY

NCERT - NCERT CHEMISTRY(TELUGU)

MATERIALS AND THINGS

Example

1. Name any five objects which are made up of only one material.



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2. Name any five objects which are made up of only one material.



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3. Explain the terms 'Transparent', 'opaque' and 'Translucent' giving with examples.



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4. Why do some materials burn and some do not?



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5. How can we know that whether a given material is solid , liquid or gas ?



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6. Why do Shopkeepers items in glass jars?



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7. What is the specific heat of water and sea water?



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8. List five things which we can make using each of the following material : Glass



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9. Mary saw a ship travelling on a sea. She knows that iron nail sinks in water. She has many doubts. What are her doubts ? Write them.



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10. Mary, while examining whether a boiled egg sinks or floats, found that it floats. But Vakula made it sink. How is it possible ? Guess and write it.



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11. What is the full form of "LED"?



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12. When you blow off the candle it will emit a white smoke . If you hold a burning match stick near to smoke the candle will be lit again. How can it possible ?



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13. You have observed different types of glasses in the shop. You got some doubts in your mind . What are they ?



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14. A wooden piece floats on water. . What is the reason?



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15. Where does the water present in the egg go after boiling the egg?



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16. Do the following activities. Write down your observations. What do you conclude? (a) Mix chalk powder in water.



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17. Do the following activities. Write down your observations. What do you conclude? (c) Add some oil drops to a beaker in water.



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18. Do the following activities. Write down your observations. What do you conclude? (c) Add some oil drops to a beaker in water.



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19. Write examples for translucent objects?



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20. Can you lit a candle without touching the match stick to the wick ?



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21. How can you prove that sugar is a solid ?

Give your arguments.





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22. Was used in manufacture of steel?

A. coal

B. coke

C. coal tar

D. carbon dioxide

Answer:



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23. Write an experiment to check the solubility of given compounds.

sugar, salt, chalk powder, sand, sawdust, vinegar, lemon juice, coconut oil, kerosene.



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24. How glass is obtained?



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25. How clay is obtained?



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26. Which character is taken in to consideration for classifying animals?



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27. Compare the following properties of solids, liquids and gases. a) Shape b) Volume c)

Compressibility d) Diffusion



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28. Here some materials are given. Name the materials from which each object may possibly made up of door , towel, bicycle, knife, mirror, shoes, water bottle, pot.



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29. Given are some materials. Predict them whether they float or sink. write your findings.

Tomato, Brinjal, Potato, Iron nail, Sponge, Wood, Stone, leaf , Piece of chalk.



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30. What materials can be prepared using the given objects prepare a list ?

(cotton,leather, ceramic, rock)



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31. write different objects made up of wood which we use in our daily life.



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32. Prepare models of methane, ethane, ethene and ethyne molecules using clay balls and matchsticks.



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33. What is the calorific value of biogas?



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34. Watermelon sink or float in water?



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35. In one mole of oxygen how many oxygen atoms are present?



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36. What is an Avagadro number? What is its value?



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37. We know that a ship, even though it is made up of tonnes of iron, floats on water. How do you feel about the scientists who found the scientific principles and efforts in making a ship?



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38. Mary saw a ship travelling on a sea. She knows that iron nail sinks in water. She has many doubts. What are her doubts ? Write them.



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39. Water is available in three states. Appreciate the properties of water.



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40. We use so many wooden item in our daily life .Is it good to use wood ? What happens by excessive use of it ? What is the reason ? Is there any alternative for this.



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41. Why kerosene is sprinkled in drainage water ? Give reasons.



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42. Which type of material will you use to observe solar eclipse ?

A. solar filters,binoculars,

B. paper

C. normal glasses

D. none

Answer:



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Exercise

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4. Do the following activities. Write down your observations. What do you conclude? (a) Mix chalk powder in water.



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5. Do the following activities. Write down your observations. What do you conclude? (c) Add some oil drops to a beaker in water.



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6. How do you appreciate the efforts of man to use the Metals in making tools ?



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7. We use so many wooden item in our daily life .Is it good to use wood ? What happens by excessive use of it ? What is the reason ? Is there any alternative for this.



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8. Objects which can be broken easily.....

A. glass chimney

B. chair

C. pen

D. iron rod

Answer:



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9. Ice cream is made up of

A. milk

B. sugar

C. ice cream powder

D. all of the above

Answer:



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10.is example for transparent object.

A. glass window

B. wood

C. steel

D. plastic

Answer:



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11. Give example for opaque material.

A. wood

B. steel

C. card board

D. all of the above

Answer:



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12. depending upon the property of allowing things to see through the objects are

- A. transparent
- B. opaque
- C. translucent
- D. all of the above

Answer:



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Improve Your Learning

1. Name any five objects which are made up of only one material.



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2. Name any five objects which are made up of more than two materials.



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3. List five things which we can make using each of the following material : Glass



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4. List five things which we can make using each of the following material : Metal



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11. Do the following activities. Write down your observations. What do you conclude? (b) Place a piece of candle in water.



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12. Do the following activities. Write down your observations. What do you conclude? (c) Add some oil drops to a beaker in water.



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13. Collect different plastic items from your surroundings. Classify them as transparent, opaque and translucent.



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14. write different objects made up of wood which we use in our daily life.



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15. Make a model of neuron using suitable materials.



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16. How do you feel about the wastage of water?



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22. List five things which we can make using each of the following materials: wood



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25. Mary, while examining whether a boiled egg sinks or floats, found that it floats. But Vakula made it sink. How is it possible ? Guess and write it.





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26. Drop an egg in a beaker of water. Now drop the same egg in another beaker of water in which excessive salt is added. Write your observation.



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27. Do the following activities. Write down your observations. What do you conclude? (a)
Mix chalk powder in water.



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28. Do the following activities. Write down your observations. What do you conclude ? :

Place a piece of candle in water.



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29. Do the following activities. Write down your observations. What do you conclude ? :

Add some oil drops to a beaker of water.





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30. Make a list of items from your kitchen like utensils, food ingredients etc. Classify them as sinks/floats and soluble/ insoluble.



[Watch Video Solution](#)

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32. write different objects made up of wood which we use in our daily life.



Watch Video Solution

33. Make a few models you like using clay.



Watch Video Solution

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