

1. Among the mixtures of red chili powder in water, butter in water, petrol in water and honey in water, which one is a soluble mixture?
2. If a boy hid himself behind a glass door, do you think you can locate him? If yes, why? If no, why not?
3. Arrange the jumbled words to arrive at the appropriate names of materials and also write two objects made of each:
  - a) rhteeal
  - b) tcilspa
  - c) nori
  - d) rppoce
4. What is the basis to identify an object?
5. Objects are made of different materials-name some of these materials.
6. We know, generally all non-metals are non-lustrous. Can you name a non-metal which is lustrous?
7. How the texture of a foil paper changes when it is wrinkled?
8. Name a fruit which is having a smooth texture and a fruit having a rough texture.
9. What is lustre? Give two examples of materials that possess lustre.
10. We know, generally all non-metals are soft. Can you name a non-metal which violates this property?
11. The powder that we use in the summer, is it a soft or a hard material?
12. Name a gas which is insoluble in water. Name two gases which are soluble materials. Where these two gases that are soluble in water are being used?
13. Describe a method to prove that water is a transparent material. State a condition when pure water can lose this property.
14. How are different materials grouped depending on transparency? List any 3 liquids that are transparent.
15. Identify which are miscible / immiscible:
  - a) alcohol and water
  - b) kerosene and petrol
  - c) kerosene and water

- d) vinegar and water
  - e) vinegar and mustard oil
  - f) alcohol and kerosene
16. Define density. You are given a ball of cotton in a bowl of water. Will it float or sink in water after 10 minutes? Why?
  17. How are different objects grouped on the basis of transparency?
  18. What is the difference in the transparency between a cellophane paper, a butter paper and a sand paper?
  19. We know, generally all metals are hard. Can you name a metal which is so soft that it can be cut even with a knife?
  20. Rearrange and identify whether it is attracted by a magnet or not?  
'ustwdas'
  21. What are those materials called that do not conduct electricity? Give example of one such material.
  22. Why copper is used to make household wires?