

## Sorting Materials into Groups

### Practice sheet

**Time : 20 minutes**

**Maximum marks : 10**

#### Instructions

- This test contains 6 questions.
  - Q.1 to Q.3 are one-mark questions, to be answer in about one word or one sentence.
  - Q.4 & Q.5 are two-mark questions, to be answer in about 50 words.
  - Q.6 is three-mark question, to be answer in about 80 words.
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1. What is classification?
2. What do you mean by lustre?
3. Write the name of five objects which floats on water.
4. What are miscible liquids? Give three example of substances which are miscible with water.
5. Define hardness. Give two examples of hard substances.
6. Explain-
  - (i) Transparent
  - (ii) Translucent
  - (iii) Opaque

**OR**

6. What is solubility?  
Give two examples of soluble and insoluble substance each.

## Practice sheet solutions

1. The act of dividing things into category, according to some common relations or affinities is called classification.
2. The special kind of shine present on natural materials or shine appears when they are freshly cut or sand papered is called lustre.
3. Objects which floats on water- Ice, wax, paper, plastic ball, feather.
4. The liquids which dissolve in water are called miscible liquids example – milk, vinegar, alcohol
5. When the surfaces of two different materials are rubbed against each other, then the surface which scratches is said to be hard, and the property is called hardness of the material. E.g. Glass, diamond.
6. (i) A material through which you can see clearly is called transparent material. It happens so because light can pass through it. For example, Solids such as glass  
(ii) A material through which you can see partially is called translucent material. Light can pass through it but we cannot see clearly through it. For example, Ground glass, frosted glass  
(iii) A material through which you cannot see is called opaque material. Through it light cannot pass. For example, Solids, such as metals (all kinds), wood,

**OR**

6. **Solubility:** The property of substance due to which it dissolves in water is called solubility.  
Soluble substances - Sugar and salt.  
Insoluble substances – Sand and chalk.