



CLASS: VI

SUBJECT: SCIENCE

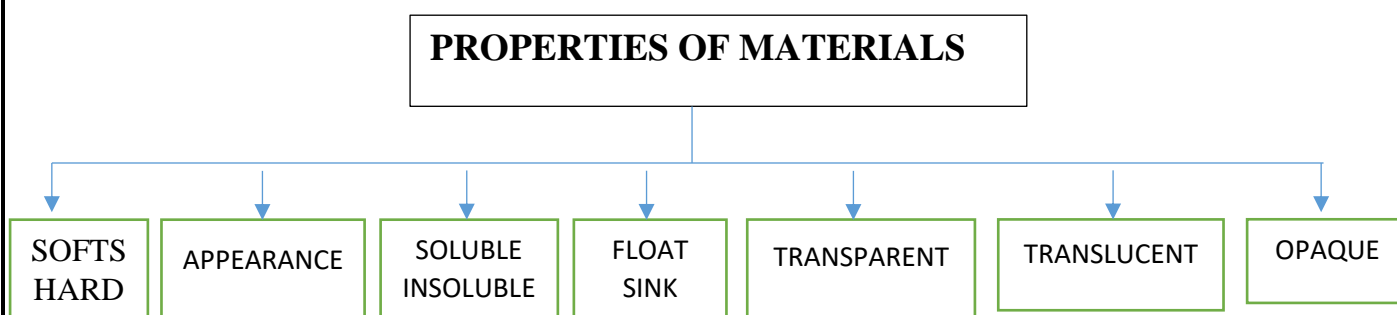
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LESSON- CH.2 Sorting materials in to groups

New words

Pre activity:

Make a flow chart showing different properties of materials.



I. VERY SHORT ANSWER QUESTIONS:

Q1. Why are gold and silver used to make jewellery?

Ans: Gold and silver are lustrous in nature, hence are used to make jewellery.

Q2. Name two liquids which are miscible in water.

Ans: Vinegar and alcohol.

Write any four properties of materials.

Ans:(a) Appearance

(b) Hardness

(c) Softness

(d) Solubility

(e) Transparency

(f) Float or sink in water

II.SHORT ANSWER QUESTIONS:

Q1. List all items known to you that float on water. Check and see if they will float on oil or kerosene.

Ans: Wooden block, Paper, Balloon, Hair, plastic bottle, wooden logs, Boat etc. will float on water. A few of these like hair, balloon can float on kerosene or oil. Generally, substances

have less density than oil and water can float. For example, few types of wood have densities higher than oil but less than water, so they float on the water but not on kerosene.

Q2. What are miscible and immiscible substances?

Ans: The liquid substances that get completely mixed with water are called miscible substances Ex; lemon juice, vinegar. The substances that do not mix with water and form a separate layer are called immiscible substances. Ex: oil, petrol, kerosene.

Q3. Define the terms: transparent and translucent objects with examples.

Ans: The materials through which light is allowed to pass completely and we can see the objects clearly are called transparent objects. Ex: glass, water, air

The material through which light passes partially and we can see the objects partially are called translucent objects. Ex: butter paper, fog.

Q4. Why do we need to group materials?

Ans: we group objects for our convenience.

- It helps to identify the object
- It helps to locate things
- It helps to understand the similarities and differences among various objects

III. Match the following:

A

B

1. Butter paper

a. Miscible

2. Glass

b. Translucent

3. Sugar

c. lustre

4. Vineger

d. Transparent

5. Gold

e. dissolve in water

Answer 1. -- b 2. -- d 3. -- e 4. -- a 5. – c

Post activity:

Write the properties of following materials

Wood, Plastic, Glass, Metal

Sr. No.	Material	Properties
1	Wood	Dull appearance, hard, rough, less denser than water and opaque
2	Plastic	Dull appearance, hard or soft depending on the material , less denser than water and opaque
3	Glass	Shiny appearance, hard, smooth, denser than water, transparent or may be translucent
4	Metal	Shiny appearance, hard, smooth, denser than water and opaque