

WEEKLY ASSIGNMENT

CLASS:VI SUB - CHEMISTRY

MISCIBLE LIQUIDS : - liquids that get mixed with water completely are called miscible liquids . Ex - vinegar, lime juice.

IMMISCIBLE LIQUIDS : - liquids which do not get mixed with water are said to be immiscible liquids.

Ex - petrol and edible oils .

Note - some gases like oxygen and carbon dioxide are also soluble in water.

1. Oxygen dissolved in water helps aquatic animals in breathing.
2. Carbon dioxide dissolved in water is used by plants for photosynthesis.
5. **DENSITY** : - Density is defined as the mass contained in a unit volume of a substance.

Note: -

1. Materials which are less dense than water float on it.

Ex - wood, leaf, oil, plastic etc.

2. Materials which are denser than water sink in it .

Ex - stone, coin, nail etc.

3. If the density of a material is the same as that of water, it will

float just below the surface of water.

6. **TRANSPARENCY** : - Objects can be classified on the basis of their ability to allow light pass through them.

1. **TRANSPARENT** : - Some materials allow light to pass through them completely

are called transparent materials. Ex - glass , water air, acrylic sheet (plastic).

2. **TRANSLUCENT** : - Some materials allow light to pass through them partially are called translucent materials. Ex - butter paper, muslin cloth, frosted glass.

3. **OPAQUE** : - Some materials do not allow light to pass through them at all are called Opaque materials. Ex - Wood, metal plate, cardboard .

Answer the following questions :

1. Name two substances that are miscible in water.
2. Name two materials that allow light to pass through them.
3. Explain how gases that dissolve in water are useful to aquatic plants and animals.
4. Explain why does a coin sink in water but a leaf floats on water.
5. Distinguish between opaque and transparent materials.