

Chapter 8: Materials and Solutions

Worksheet 1

1. Fill in the blanks.

- (i) The _____ of earth's surface is covered with water.
- (ii) Water changes into ice by the process of _____ .
- (iii) Common salt from sea water is obtained by _____ .
- (iv) Alcohol is a _____ solvent.
- (v) _____ changes into liquid by the process of condensation.

2. Write T for true and F for false statement.

- (i) The water we drink is a liquid matter.
- (ii) A solution has four parts.
- (iii) Benzene is a nonaqueous solvent.
- (iv) The oil will sink in water.

3. Divide the following substances into soluble and insoluble in water and write them in proper place.

Wood shavings, vinegar, oil, air, sugar, benzene, coffee, chalk

Soluble in water

Insoluble in water

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Worksheet 2

1. Give one word for the following.

- (i) This covers about two-thirds of the earth's surface
- (ii) The solvent used in the making of tincture of iodine
- (iii) The solvent in which vitamin A is soluble
- (iv) The process of purifying muddy water by using muslin cloth
- (v) The clear liquid left over the sediment

2. Circle the odd one out.

- (i) Vitamin A, Vitamin D, Vitamin E, Glucose
- (ii) Alcohol, Water, Benzene, Ether
- (iii) Sugar, Salt, Glucose, Butter
- (iv) Wood, Rubber, Cork, Paper
- (v) Mud, Sand, Stone, Air

3. Answer these questions.

- (i) What is a solution?
- (ii) What is an aqueous solution?
- (iii) In how many forms is water found?
- (iv) What is sediment?
- (v) What is residue?