

## SECTION-A

**I. Answer the following questions (very short).**

1. Which nutrients are found in citrus fruits?
2. What is a bale?
3. How does the property that oxygen dissolves in water help aquatic plants and animals?
4. How can you make a saturated solution of salt in water?
5. Is evaporation an exothermic or endothermic change?
6. Define lustre?
7. What is fibre?
8. How can you separate ice from dry ice?
9. How can you make a saturated solution of salt in water?
10. Neha wants to separate oil from mixture of oil and salt. Which method of separation should she use?
  - i. evaporation
  - ii. decantation
  - iii. centrifugation
  - iv. distillation

**II. Answer the following questions in 2 lines:**

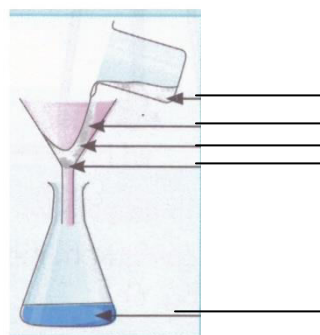
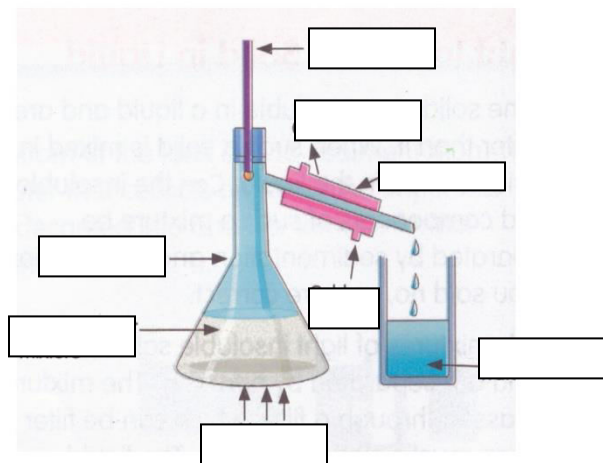
1. Why are sprouted seeds good to eat ?
2. Why is twisting an important part of spinning?
3. What can be done to separate mixtures which have more than two solids mixed together?
4. How can you separate a mixture of shampoo and sand?
5. Is drinking water good for drinking ? Why or why not?
6. State the difference between fast and slow changes and give 2 examples of each.
7. What is a solution? Give one example.
8. Why do you think jute plants are grown such that they grow tall and straight?
9. Plant fibers are good for environment. Justify the statement.
10. Name the different kinds of plant fibres.

**III. Answer the following questions:**

1. How is the term “White gold” applicable to cotton?
2. Why is petroleum separated into its components?
3. What is centrifugation ? Where do we use it in day to day life?
- 4.State the difference between transparent, translucent and opaque objects.
5. Name some methods of making fabric other than weaving and knitting.

**SECTION-B**

**I. Label the diagram:**



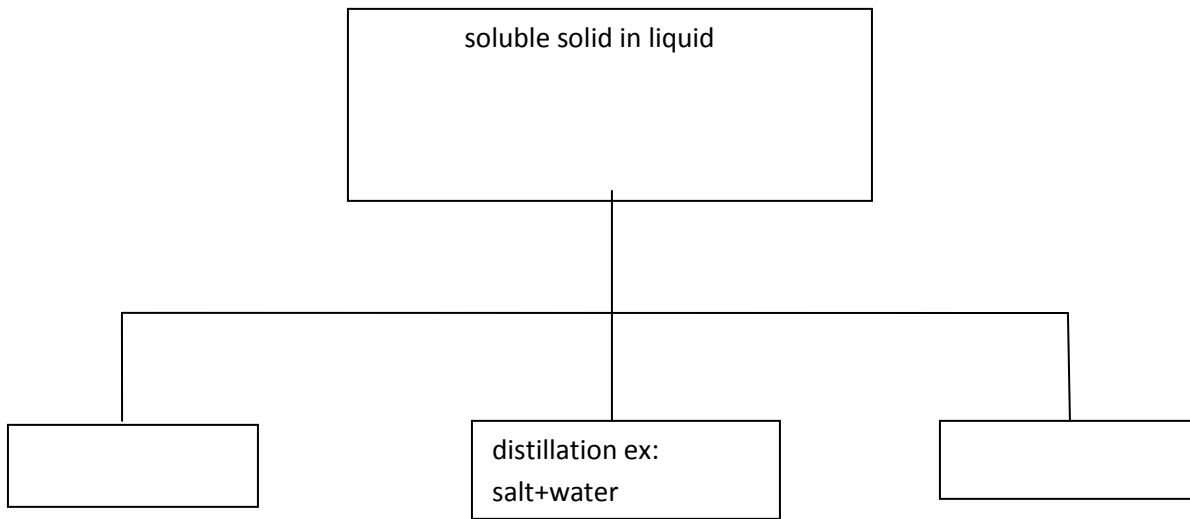
**II.a) Circle the mixtures from the list below:**

tapwater gold air milk sugar  
salt soil soap lemonade

**b) Which of the following is an example of a solution of liquid in liquid?**

- A. Chalk in water
- B. Lemon juice in water
- C. Sugar in water
- D. Jelly in water

c) Fill in the boxes by writing the methods of separation that can be used with an example.



d) Which of the following will float in water?

- a) almond    b) apple juice
- c) salt        d) cooking oil

**III. Fill in the blanks :**

1. \_\_\_\_\_ is the process by which gas or vapour changes to a liquid when cooled.
2. \_\_\_\_\_ is a method of making fabric using the yarn in a crosswise pattern .
3. An iodine solution is used to detect the presence of \_\_\_\_\_ in a food item.
4. \_\_\_\_\_ is an animal that eats plants.
5. Evaporation is an example of \_\_\_\_\_ change.
6. Texture describes the \_\_\_\_\_ of an object.
7. The solid obtained after filtration or evaporation is \_\_\_\_\_.
8. \_\_\_\_\_ is a combination of two or more substances that do not form a new substance.
9. \_\_\_\_\_ is a property that allows some light to pass through.
10. \_\_\_\_\_ is the process of soaking jute stems in water to obtain fibre from them.