

6. Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it?
Ans: Yes it is possible to separate sugar mixed with wheat flour by the following method:-
a) Mix sugar and wheat flour in water
b) stir the solution to allow sugar to dissolve
c) Now filter the mixture
d) filtrate contains sugar solution and residue will be wheat flour.
7. How would you obtain clear water from a sample of muddy water?
Ans: By following process:-
i) Allow muddy water to stand.
ii) Mud gets settled down in the water.
ii) Slowly pour water to another container.
8. Fill up the blanks
(a) The method of separating seeds of paddy from its stalks is called
(b) When milk, cooled after boiling, is poured onto a piece of cloth the cream (malai) is left behind on it. This process of separating cream from milk is an example of
(c) Salt is obtained from seawater by the process of
(d) Impurities settled at the bottom when muddy water was kept overnight in a bucket. The clear water was then poured off from the top. The process of separation used in this example is called
Solution:

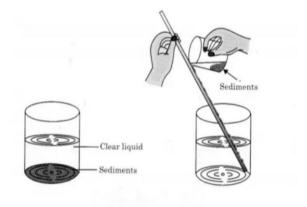
(a) threshing.
(b filtration.
(c) evaporation.
(d) decantation.
9. True or false?
Solution:
a) False
b) False
c) False
d) False
10. Lemonade is prepared by mixing lemon juice and sugar in water. You wish to add ice to cool it. Should you add ice to the lemonade before or after dissolving sugar? In which case would it be possible to dissolve more sugar?
Ans: Ice should be added to sugar after dissolving sugar.
Additional Question:-
Q.1 Where is hand picking used?
Ans: Handpicking is used to separate desirable component when present in small amount.
Q.2 What is threshing? How it is done?
Ans: The process that is used to separate the grain from stalks is called threshing. Sometimes threshing is done with the help of bullocks. Machines are also used to thresh large quantities of grain.

Q.3 What is sedimentation?

Ans: When the heavier component in a mixture settles down after water is added to it the process is called sedimentation.

## Q.4 What is decantation?

Ans: When the water (along with the dust) is removed, the process is called decantation.



## Decantation.

## Q.5 What is evaporation?

Ans: The process of conversion of water into water vapour is called evaporation.

Q.6 What is condensation?

Ans: The process of conversion of water vapour into its liquid form is called condensation.

Q.7 Which type of mixtures are separated by evaporation?

Ans: Evaporation is used to separate solids dissolved in liquid.