

Short Answer Questions

Q.1. Name and describe briefly a method which can be helpful in separating a mixture of husk from grains. What is the principle of this method?

Ans. Winnowing is the method used for separating a mixture of husk from grains. It is based on the principle that the lighter husk particles are carried away by the wind leaving behind the grains.

Q.2. How do we get salt from sea water?

Ans. First sea water is collected in shallow pits and due to heat of the Sun, water starts evaporating. After few days, the water evaporates completely leaving behind solid salt.

Q.3. How will you separate the components of the following?

(i) Tea leaves from tea

Ans. Filtration or sieving,

(ii) Pebbles from rice

Ans. Handpicking or sieving

(iii) Butter from milk

Ans. Churning

(iv) Sand and husk

Ans. Winnowing

(v) Water and kerosene oil

Ans. Separating

(vi) Mud and water

Ans. sedimentation and decantation

Q.4. Distinguish between the following:

(i) Pure substances and Mixture

S.No	Pure substances	Mixture
1	These are made up of only one kind of particles For example, silver, copper, etc.	These are made up of two or more elements or compounds For example, sea water, smoke, etc.

(ii) Threshing and Winnowing

S.No	Pure substances	Mixture
1	The process by which the grains are released from the chaff.	It is the process to separate husk from grains.
2	This is done either by hand or by using animals.	It is done by hand with the use of wind or blowing air.