

# KUMAR ONLINE CLASS

## CBSE(NCERT):CLASS IX SCIENCE

### CASE STUDY QUESTION 06



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## CASE STUDY QUESTION 06

Read the following and answer any four questions from (i) to (v)

			
Separating tea leaves with a strainer	Butter is taken out by churning milk or curds	Mixer Grinder	Handpicking stones from grain
			
Winnowing	Winnowing Machine	Threshing	Thresher Machine
			
Pebbles and stones are removed from sand by sieving	Sieving	Folding a filter paper to make a cone	Filtration using a filter paper

A Chemistry teacher explained the different types of separation of mixtures with the help of given adjoined chart. Now, in a practical test, students were provided with give samples and they were asked to separate the samples applying suitable separation methods. Now the students have to select the correct methods of separation.

(i) Fine mud particles suspended in water.

- (a) Winnowing                      (b) Sedimentation and Decantation.  
(c) Using magnet                (d) Chlorination

**Ans: (b) Sedimentation and Decantation.**

(ii) Oil from water.

- (a) Sedimentation and Decantation    (b) Filtration  
(c) Separating funnel                      (d) Winnowing

**Ans: (c) Separating funnel.**

(iii) Sodium chloride from its solution in water.

- (a) Filtration                                      (b) Separating funnel  
(c) Sedimentation and Decantation    (d) Evaporation

**Ans: (d) Evaporation**

(iv) Camphor from salt.

(a) Filtration (b) Separating funnel (c) Sublimation (d) Sedimentation

**Ans: (c) Sublimation**

(v) Cream from milk

(a) Separating funnel (b) Sedimentation (c) Filtration (d) Centrifugation

**Ans: (d) Centrifugation**