



Methods of Separation

A. Choose the Correct Answer:

- 1. Which method is used to separate solid impurities like stones from rice or wheat?**
 - A) Sieving
 - B) Winnowing
 - C) Handpicking
 - D) Filtration
- 2. What process is used to separate lighter husk particles from heavier grains using wind?**
 - A) Sedimentation
 - B) Filtration
 - C) Winnowing
 - D) Decantation
- 3. Which method is used to separate tea leaves from tea after boiling?**
 - A) Sieving
 - B) Filtration
 - C) Decantation
 - D) Handpicking

B. Fill in the Blanks:

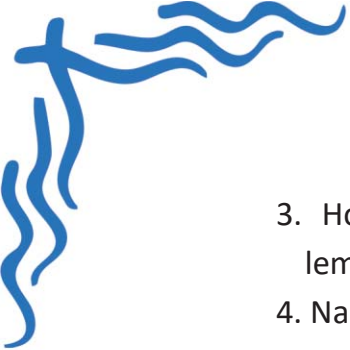
1. The process of separating small stones from rice or pulses by hand is called _____.
2. Lighter impurities like husk can be removed from grains using _____.
3. The process used to separate sand and water by allowing the sand to settle down is called _____.

C. Case Study:

Rahul's mother was preparing lemonade at home. She mixed water, lemon juice, and sugar in a glass. However, when she added ice cubes, Rahul noticed that some sugar was still settled at the bottom. He also observed that when she poured the lemonade through a strainer, the ice cubes were left behind.

Case Study Questions:

1. What method is used to separate ice cubes from lemonade?
2. Why did the sugar settle at the bottom instead of mixing completely?



3. How could Rahul's mother ensure that all the sugar dissolves in the lemonade?
4. Name another daily-life example where filtration is used.

D. Short Answer Questions:

1. What is sieving, and where is it used in daily life?
2. How does winnowing help farmers?
3. Why is filtration important in water purification?

E. Long Answer Questions:

1. Explain different methods of separation with examples.
2. Describe the importance of separation techniques in everyday life.
3. How do farmers use different separation methods in agriculture?