

# Science Worksheet

## Separation of Substances Class VI

Q1. Name the following:

- The apparatus used for separating two immiscible liquids
- The mixture formed when a solid dissolves in a liquid
- The chemical used in the process of loading
- The process by which pure crystals are obtained from its solution
- A substance which sublimes on heating

Q2. Answer the following:

- Why is it necessary to separate the components of a mixture?
- How will you separate a mixture of sand and ammonia?
- Explain the difference between homogeneous and heterogeneous with the help of examples.

Q3. Identify the apparatus shown below. For what purpose is it used?



Q4. How are the following methods of separating useful to the industry?

- Magnetic separation
- Centrifugation

Q5. What is a saturated solution? How can you convert it to a supersaturated solution? How will you make a saturated sugar solution?

Q6. Identify the methods of separation shown below and state the principle on which they are based:

