

Q1. Differentiate between pure substances and mixtures-

Ans.	Pure Substances	Mixtures
	<ul style="list-style-type: none"> <li>A pure substance is made up of only one kind of atoms or molecules.</li> </ul>	<ul style="list-style-type: none"> <li>A mixture is an impure substance made up of different kinds of elements and compounds held loosely.</li> </ul>

Q2. Give 3 examples of homogeneous and heterogeneous mixtures.

Homogeneous mixture	Heterogeneous mixture
<ul style="list-style-type: none"> <li>- Salt + water</li> <li>- Water + alcohol</li> <li>- Ammonia + water</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk in water</li> <li>- Oil in water</li> <li>- Petrol in water</li> </ul>

Q3. Explain the principle of the process of winnowing for separation of solid-solid mixture.

Ans- The ~~process~~ process is:

- Take a mixture of rice and husk.

When it is allowed to fall from a height, rice grains being heavier, fall vertically down while husk gets blown away by air at a small distance.