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## Homework

Q1. Differentiate between pure substances and mixtures.

Ans

Pure substances	Mixtures
* Pure substances have either the same kind of atoms or molecules	* Mixtures have different kinds of molecules mixed together.

\* Have definite set of chemical and physical properties.

\* Properties can change according to the ~~pro~~ varying amounts.

\* Pure substances are either elements or compounds

\* Mixtures are made up of pure substances.

2. Give 3 examples each of homogeneous mixtures and heterogeneous mixtures.

Ans 3 homogeneous mixtures - Salt solution, ~~and~~ sugar solution, bronze

3 heterogeneous mixtures - oil in water, petrol in water, sand and sugar.

3. Explain the principle of the process of winnowing for separation of solid-solid mixtures.

Ans- In winnowing, a mixture is allowed to fall on land from a height. The principle of winnowing is, the lighter objects will be blown away by wind and get collected in a place and the heavy particles will fall vertically on land.