

H.W

Q1. Differentiate between pure substances and mixtures.

Ans → Pure substances	Mixtures
① It consists of one kind of molecule.	① It consists of different kinds of molecules.
② It is always homogenous.	② It may be homogenous or heterogenous.
③ They are formed by combining chemically.	③ They are formed by combining physically.

Pure Substances

⑩ Ex - Gold, Glucose

Mixtures

Ex - ~~Stl~~ Steel,
Sand and Sugar

Q2. Give three examples each of homogenous and heterogenous mixture.

Ans → Homogenous - Bronze, Milk, Air

Heterogenous - Sand and Salt, Iron and Sulphur ~~and~~, Water and Sugar

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

Ans → The principle of winnowing is based on the difference in mass of components. Lighter solids can be blown away by the wind while heavier particles settle down.