

Hw = 9-09-2021

- Differentiate between pure substances and mixtures? ●

Ans - Pure substances are either elements or compound and they contain the same kind of atoms and molecules and have a definite set of physical and chemical properties. Mixtures are substances which are present with some other substances.

- Give three examples of homogeneous and heterogeneous mixture.

Ans - Three examples of homogeneous mixture are tea, lemonade and sugar and water solution. Three examples of heterogeneous mixtures are soil, namkeen mixture and smoke.

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

Ans = Take a mixture of rice and husk. When it is allowed to fall from a height, rice grains fall vertically down as the rice

grains are heavier. But the husk gets blown by the air as it is lighter ~~and forms~~ a heap of rice. ~~In this way, rice is~~ and forms a the heap at a small distance away from the heap of rice. This method of separating the lighter solids from the heavier ones is called winnowing.