HW 9/9/21

PURE SUBSTANCES AND MIXTURES; SEPARATION OF MIXTURE

Q1) Differentiate between pure substances and mixtures?

Ans-

Pure Substances	Mixtures
* Pure Substances can be categorised as element and compound.	* Mixtures can be categorised as only homogenous and hetrogenous.
* It cannot be broken down or separated into new Products.	* It can be separated using different separation methods.
* Constant physical and chemical properties	* Mixtures have varying physical and chemical properties
* Pure Substances are made up of a single element.	* A mixture is a combination of two substances or element.
* Ex - iron, steel, water	Ex - wood

Q2) Give 3 examples each of homogeneous and hetrogeneous mixture?

Ans- Hetrogeneous - orange juice with pulp, pizza, sandwich.

Homogeneous — air, saline solution, alloys

Q3) Explain the principal of the process of winnowing for separation of solid-solid mixture?

Ans- Winnowing is the process to separate heavier particles from the lighter particles of a mixture. This method is used by the farmers to separate lighter seeds from heavier seeds of grains.