

PURE SUBSTANCES & MIXTURES

MATTER $\begin{matrix} \longrightarrow & \text{PURE SUBSTANCE} \\ \longrightarrow & \text{MIXTURE} \end{matrix}$

All matter is either a PURE SUBSTANCE OR a MIXTURE

MADE UP OF ONLY ONE KIND OF MATTER \rightarrow EX: GOLD, PURE WATER

MADE UP OF A COMBINATION OF DIFFERENT THINGS \rightarrow EX: SOIL, TRAIL MIX

CANNOT BE SEPARATED INTO DIFFERENT SUBSTANCES.

MIXTURES

MECHANICAL/HETEROGENEOUS MIXTURE \rightarrow UNEVENLY MIXED OR YOU CAN SEE THE SUBSTANCES THAT MAKE IT UP.

SOLUTION/HOMOGENEOUS MIXTURE \rightarrow EVENLY MIXED SUBSTANCES

SUSPENSION \rightarrow CLOUDY MIXTURE WHERE TINY DROPLETS/PIECES ARE "HELD" WITHIN ANOTHER SUBSTANCE. USUALLY... IF YOU LEAVE IT FOR A LONG TIME, IT WILL SEPARATE \rightarrow KETCHUP

COLLOID \rightarrow CLOUDY MIXTURE WHERE PARTICLES ARE SO SMALL THEY DO NOT SEPARATE OUT EASILY. \rightarrow MILK