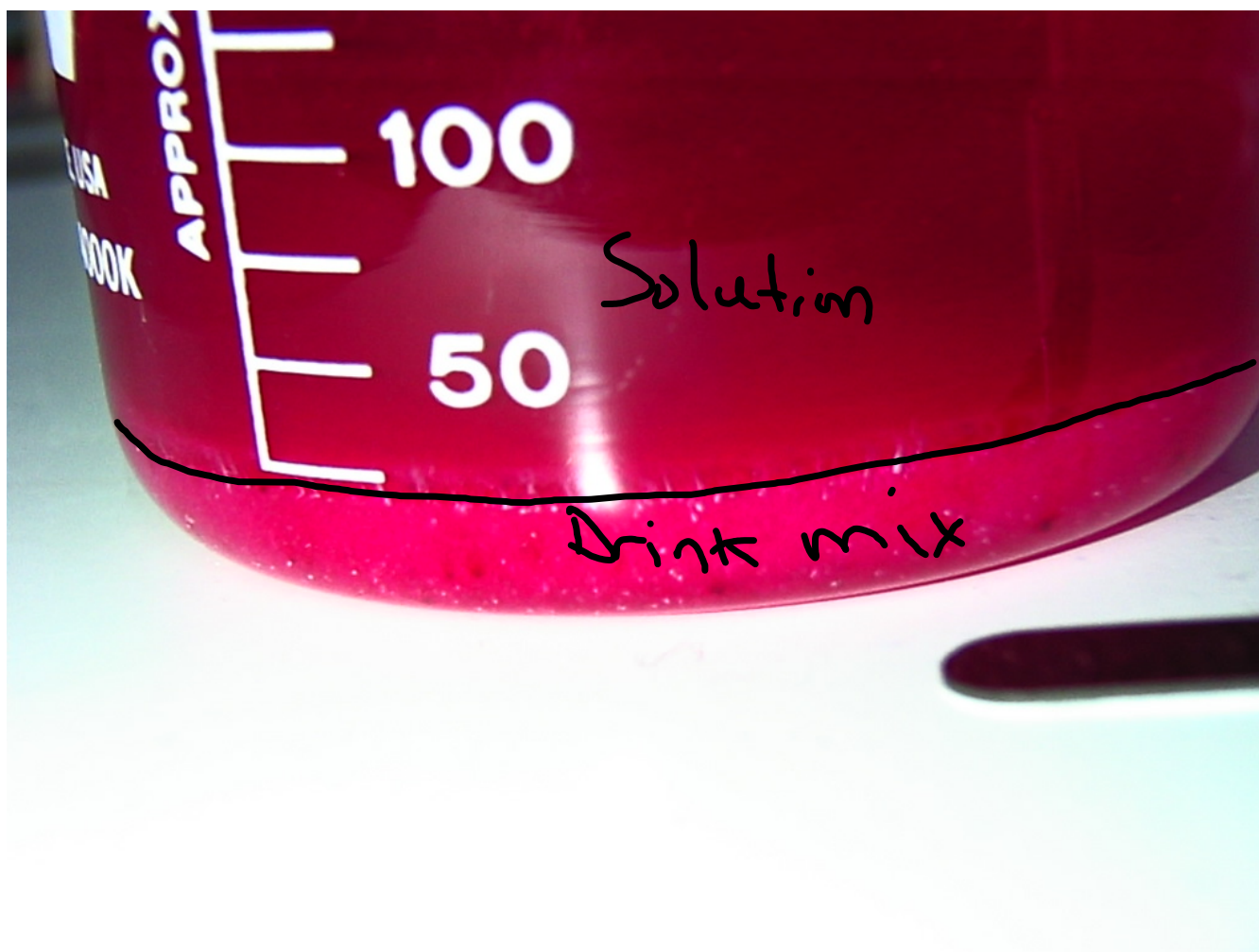
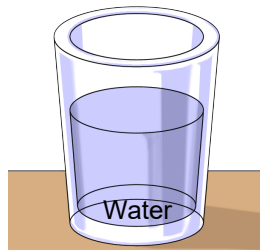


A drop of water of water evaporates into gas.

The particles are always moving, however, and some are always on the outside of the drop. These outside particles occasionally jump off into the air. Overtime, all the particles jump off. They still exist, but they are independent and free to move about as gas.



## → Why Do Some Materials NOT Dissolve?



Solvent



Solute

→ There is usually less solute than solvent in a solution (more solvent than solute.)

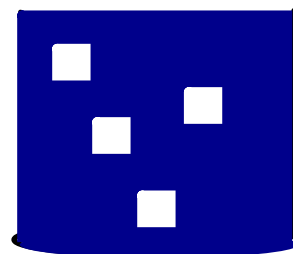
**Solute** - is the substance that dissolves in a solvent to form a solution (ex. the salt in water)

**Solvent** - is the substance that dissolves a solute to form a solution (Ex. usually water)

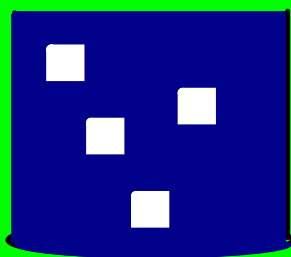


Water  
Solvent

Sugar Cube  
Solute



Sugar Water  
Solution



**Sugar Dissolves in Water**

**or**

**Sugar is Soluble in Water**

**Soluble** - means able to be dissolved in a particular solvent

**Insoluble** - means not able to be dissolved in a particular solvent

## Solubility

- The ability of a particular substance to dissolve.

