NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solubility & Concentration Definitions**



* The \_\_\_\_\_\_\_\_\_\_\_\_ of a solution is the amount of solute dissolved in a specific amount of solvent.
* A \_\_\_\_\_\_\_\_\_\_\_\_ solution contains the maximum amount of solute that the solvent can dissolve at a given temperature.
* If a solution is \_\_\_\_\_\_\_\_\_\_\_\_ then more solute can be dissolved at the given temperature.
* \_\_\_\_\_\_\_\_\_\_\_\_ is the relative ability of a solute to form a solution when added to a certain solvent.
* When a substance does not dissolve in a solvent, that substance is \_\_\_\_\_\_\_\_\_\_ in that solvent.
* A \_\_\_\_\_\_\_\_\_\_\_\_ solution is a solution that contains a large amount of dissolved solute, and little solvent.
* A \_\_\_\_\_\_\_\_\_\_\_ solution has very little solute dissolved in the solvent.
* The rate of dissolving is affected by:
  + \_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_

**Terms:** temperature, insoluble, solubility, saturated, dilute, stirring, concentrated, unsaturated, particle size, concentration

Solubility & Concentration Definitions



ANSWERS

* The concentration of a solution is the amount of solute dissolved in a specific amount of solvent.
* A saturated solution contains the maximum amount of solute that the solvent can dissolve at a given temperature.
* If a solution is unsaturated then more solute can be dissolved at the given temperature.
* Solubility is the relative ability of a solute to form a solution when added to a certain solvent.
* When a substance does not dissolve in a solvent, that substance is

insoluble in that solvent.

* A concentrated solution is a solution that contains a large amount of dissolved solute, and little solvent.
* A dilute solution has very little solute dissolved in the solvent.
* The rate of dissolving is affected by:
  + Temperature\_\_\_
  + Particle size\_\_\_
  + Stirring\_\_\_\_\_\_

**Terms:** temperature, insoluble, solubility, saturated, dilute, stirring, concentrated, unsaturated, particle size, concentration