**Solubility & Concentration Quiz  /10**

**A Terms:** insoluble, solubility, saturated, dilute, concentrated, unsaturated, concentration

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the relative ability of a solute to form a solution when added to a certain solvent.
2. When a substance does not dissolve in a solvent, that substance is \_\_\_\_\_\_\_\_\_\_\_\_\_ in that solvent.
3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a solution is the amount of solute dissolved in a specific amount of solvent.
4. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solution contains the maximum amount of solute that the solvent can dissolve at a given temperature.
5. If a solution is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ then more solute can be dissolved at the given temperature.
6. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ solution has very little solute dissolved in the solvent.
7. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solution is a solution that contains a large amount of dissolved solute, and little solvent.

**B** The **rate of dissolving** is affected by:

* 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solubility & Concentration Quiz Answers  /10**

**A Terms:** insoluble, solubility, saturated, dilute, concentrated, unsaturated, concentration

1. **Solubility** is the relative ability of a solute to form a solution when added to a certain solvent.
2. When a substance does not dissolve in a solvent, that substance is **insoluble** in that solvent.
3. The **concentration** of a solution is the amount of solute dissolved in a specific amount of solvent.
4. A **saturated** solution contains the maximum amount of solute that the solvent can dissolve at a given temperature.
5. If a solution is **unsaturated** then more solute can be dissolved at the given temperature.
6. A **dilute** solution has very little solute dissolved in the solvent.
7. A **concentrated** solution is a solution that contains a large amount of dissolved solute, and little solvent.

**B**

1. The **rate of dissolving** is affected by:
   1. **Temperature**
   2. **Particle Size**
   3. **Stirring**