Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCH3U1 – Solubility Curve Guided Note**

**Solubility Factors:**

1. Molecule Size and Solubility

1. Pressure

1. Temperature

**Temperature and solubility:**

A solid becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_soluble as temperature increases.

Because...

A liquid solubility is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as temperature increases.

Because...

A gas becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ soluble as temperature increases.

Because…

**Solubility Curve:**

Sketch the Solubility Curve and include x and y axis labels

Any point on the line would be a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Any point below the line, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Any point above the line, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Sample Problems:**

***Copy down sample problems and solutions into your notes.***