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

**H. Chemistry**

**Ch. 13.1-13.5 Lecture Guide**

* **13.1: Water and It’s Phase Changes**
  + Heating and Cooling Curve
  + Why does ice float?
* **13.2: Energy Requirements for the Changes in State**
  + Intermolecular Forces
  + Intramolecular Forces
  + Molar Heat of Fusion
  + Molar Heat of Vaporization
* **13.3: Intermolecular Forces**
  + Dipole-Dipole Attraction
  + Hydrogen Bonding
  + London Dispersion Forces
* **13.4: Evaporation and Vapor Pressure**
  + Vaporization/Evaporation
  + Condensation
  + Vapor Pressure
* **13.5: The Solid State: Types of Solids**
  + Crystalline Solids
    - * Ionic Solids
      * Molecular Solids
      * Atomic Solids