**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