Phase Changes Notes

 solid liquid gas

Endothermic-

Exothermic –

* **Evaporation**
	+ molecules at the surface gain enough energy to overcome \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Volatility**
	+ measure of evaporation rate
	+ depends on temp & IMF
	+ temperature and volatility are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ IMF and volatility are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Equilibrium**
	+ trapped molecules reach a balance between evaporation & condensation
* **Vapor Pressure**
	+ pressure of vapor above a liquid at equilibrium
	+ depends on temp and IMF
	+ directly related volatility and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Boiling Point**
	+ temp at which v.p. of liquid equals external pressure
	+ directly related to Patm & IMF
	+ Normal B.P. - b.p. at standard pressure
* **Melting Point**
	+ equal to freezing point
	+ directly related to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Sublimation**
	+ Solid 🡪 gas
	+ V.p. of solid equals external pressure
	+ Ex.