Test Topics for…

Thermochemistry & Liquids and Solids Exam 1/23

# Test Info

*Directions: There are 10 multiple choice questions (2 pts each), 5 short answer questions (3 points each), and 2 free response questions (10 pts each). The test is worth a total of 55 points.*

# Test Topics

* Intermolecular Forces
	+ London dispersion
	+ Hydrogen bonding
	+ Dipole-dipole
	+ Ion-dipole
	+ Using IMF to explain properties such as high melting/boiling points
* Vapor Pressure of gases, solid-liquids, liquid-liquids
	+ Calculations
* Types of solids
	+ Covalent network
	+ Crystalline
	+ Amorphous
* Enthalpy
	+ Calculating enthalpy for a reaction given enthalpy of formation
	+ Hess’s Law: Relationship between moles and delta H of a reaction
		- Ie. Half the moles = half the delta H
		- Ie. Reversing the equation = - delta H
* Internal Energy
	+ Work, pressure, energy relationships and calculations
	+ Endothermic vs exothermic relationships in calculations
* Calorimetry
	+ Q = mc (delta T) calculations