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