

Your final will compose of the following:

- at least 50 True/False
- at least 75 Multiple Choice
- 15-20 Problem Solving Questions

**Ch. 7 Momentum**

- Formulas/Concepts
  - o Work
  - o Force
  - o Calories
  - o Power

**Ch. 8 Energy**

- Formulas/Concepts
  - o Work
  - o Power
  - o PE to KE
  - o Conservation of Energy

**Ch. 22 Temperature, Heat, & Heat Expansion**

- Formulas/Concepts
  - o Temperature
  - o Heat
  - o Specific Heat Capacity

**Ch. 22 Heat Transfer**

- Formulas/Concepts
  - o Conduction
  - o Convection
  - o Radiation
  - o Global Warming & the Greenhouse Effect

**Ch. 23 Change of Phase**

- Formulas/Concepts
  - o Evaporation
  - o Condensation
  - o Boiling
  - o Freezing
  - o Energy and Change of Phase

**Ch. 24 Thermodynamics**

- Formulas/Concepts
  - o Absolute Zero
  - o 1<sup>st</sup> Law of Therm
  - o 2<sup>nd</sup> Law of Therm
  - o Adiabatic Processes
  - o Entropy

**Ch. 32 Electrostatics**

- Formulas/Concepts
  - o Electrical Forces & Charge
  - o Conservation of Charge
  - o Coulomb's Law
  - o Conductors & Insulators
  - o Charging by Friction, Contact & Induction