

PS PHYSICS SEMESTER FINAL CONCEPTS

- **100 questions:** 80 multiple choice questions & 20 true/false questions
- **20 problems-BRING Calculator**
- **Bring your text book** (not open book, but we need them for something else)

CONCEPTS AND TERMS

Chapter 1

- Scientific Method
- Hypothesis
- Constant
- Control
- Standards of Measurement
- SI units
- Metric Conversion

Chapter 2

- Displacement
- Speed*
- Velocity*
- Acceleration*

Chapter 3 and Chapter 2: Section 3

- Force, balance vs. unbalanced
- Inertia
- Newton's 1st Law
- Newton's 2nd Law*
- Friction
- Gravity*
- Weight*
- Newton's 3rd Law
- Momentum*

Chapter 4

- Potential Energy*
- Kinetic Energy*
- Thermal Energy

Chapter 5

- Work*
- Power*
- Simple Machines
- Efficiency*

Chapter 6

- Thermal Expansion
- Specific Heat*
- Conduction, Convection, Radiation
- Conductors vs. Insulators

Chapter 7

- Static Electricity
- Conductors vs. Insulators
- Electroscope
- Ohm's Law*
- Electric Power*
- Electric Energy*
- Series Circuits vs. Parallel Circuits