

Summer Assignment #1

Using the supplied excerpts from an AP Physics textbook, read and outline the following chapters:

Chapter 1: Introduction: The Nature of Science and Physics

- 1) Read section 1.2 : Physical Quantities and Units
- 2) Read section 1.3 : Accuracy, Precision, and Significant Figures
- Chapter 1 Problems:
 - 1 - 3, 7 - 9, 11 - 14, 17 - 20, 25, 27

Chapter 2: Kinematics

- 1) Read section 2.1 : Displacement
- 2) Read section 2.2 : Vectors, Scalars, and Coordinate Systems
- 3) Read section 2.3 : Time, Velocity, and Speed
- 4) Read section 2.4 : Acceleration
- 5) Read section 2.5 : Motion Equations for Constant Acceleration in One Dimension
- 6) Read section 2.6 : Problem - Solving Basics for One Dimensional Kinematics
- 7) Read section 2.7 : Falling Objects
- 8) Read section 2.8 : Graphical Analysis of One Dimensional Motion
- Conceptual Problems (pg. 66):
 - 3, 4, 6, 9, 13, 16, 23, 26, 27
- Chapter 2 Problems (pg. 70):
 - 1 - 4, 5 - 11, 16, 18, 19, 20 - 25, 29 - 31, 33 - 36, 45 - 50, 59 - 66

Plan on taking your first exam on the concepts and problem types presented during the summer review on the 2nd day of class.