

Chapter 2 Reading Guide

AP Physics B

2-1 Reference Frames and Displacement

What is a reference frame and how does it affect how you view motion?

2-2 Average Velocity

Key Equations:

Define:

Average Speed

Velocity

Average Velocity

Example Problem Solving:

2-3 Instantaneous Velocity

How do you define instantaneous velocity?

What does instantaneous velocity look like on a graph?

2-4 Acceleration

Key Equations:

Define:

Average Acceleration

Instantaneous Acceleration

Deceleration

2-5 Motion at Constant Acceleration

Key Equations:

Sample Problems

2-6 Solving Problems

Summarize good kinematics problem solving techniques.

2-7 Falling Objects

How do you define free fall?

Key Equations:

Sample Problems

2-8 Graphical Analysis of Linear Motion

What is slope?

What does slope mean on the different types of graphs?

How do you find displacement on a graph? Position? Velocity? Acceleration?