

Lecture 14

Pre-Lecture Preparation:

- Read pages 286 – 293
- Do the Conceptual Questions (p. 308): 4
- Do Problems and Exercises (p. 310) 1, 2, and 7

Goals for the Lecture:

- 1) Understand what Momentum is and why it is special (how is it similar to and different from kinetic energy?)
- 2) Understand what Impulse is (how is it similar to and different from work?)
- 3) Be able to use the Impulse – Momentum Theorem to solve problems
- 4) Use Conservation of Momentum to solve problems

Post-Lecture Study Guide:

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas

Do problems:

Ch 8: Conceptual Questions: 5 and 8

Ch 8: Problems and Exercises: 4

Continue with the additional recommended study problems from chapter 8