**Pre-Lecture Reading (for Lecture 10)**
Please prepare the following before lecture. Check-off the boxes as you go …

- Read Chapter 7  →  Section: What is Energy?
- Read Chapter 7  →  Section: Energy of Motion
- Read Chapter 7  →  Section: Conservation of Kinetic Energy
- Read Chapter 7  →  Section: Changing Kinetic Energy
- Read Chapter 7  →  Section: Forces That Do No Work
- Read Chapter 7  →  Section: Other Forms of Energy
- Read Chapter 7  →  Section: Is Conservation of Energy a Hoax?

Test your understanding with these reading questions:

- What does the conservation of energy state?
- How did Richard Feynman describe energy?
- What is kinetic energy? How is it defined in terms of mass and speed?
- What are the units of energy?
- How do we change the kinetic energy of an object?
- What is work? How is it defined in terms of force?
- What is the precise definition of work? How much work is required to hold a suitcase over your head for 30 minutes?
- What is elastic potential energy?

*** Don’t forget to work on the assigned problem set. ***