Pre-Lecture Reading
Please prepare the following before lecture. Check-off the boxes as you go …
□ Read Chapter 13 → Section: Conduction
□ Read Chapter 13 → Section: Convection
□ Read Chapter 13 → Section: Radiation
□ Read Chapter 13 → Section: Wind Chill
□ Read Chapter 13 → Section: Thermal Expansion

Test your understanding with these reading questions:
□ What are the three mechanisms for transporting thermal energy?
□ What is conduction? Explain it microscopically.
□ Explain the physically the difference between sitting on a wooden bench and an aluminum bench on a cold day.
□ Is air a good or poor insulator? How does the answer to this question effect the selection of an outfit for cold weather activity?
□ What is convection?
□ What is radiation?
□ How can the inside of a car reach a higher temperature on a hot sunny day than the air temperature?
□ Microscopically, what is wind chill due to?

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