# Topics for today:

* Start out with a short in-class quiz.
* Energy and Power discussion (cont.)
  + Energy units: joules, calories, kilowatt-hours, therms.
  + Power units: watts, horsepower.
* Wave motion in the air.
  + Sound waves can be viewed as localized particle displacement, or as a pressure disturbance.
  + Sound waves in air are longitudinal: the particle motion is forward-backward in the direction the wave is propagation.
  + Sound waves have a speed, and a physical repetition period and wavelength.  
    Speed of sound c = frequency times wavelength.
  + Sound waves are susceptible to propagation, reflection, absorption, refraction, and diffraction.

# Topics for the next lecture:

* Read chapters 6 and 8 from the textbook.
* Interference and beating.
* Harmonics and spectrum.
* Sound levels and the decibel.