1. Define anatomy, physiology
2. List the 5 unifying themes of our course and give an example of each.
3. Review Lab 1 concepts including those listed below:
   a. Identify the 11 organ systems of the human body, the major organs in each and the general functions of each organ system.
   b. Describe: anatomical, supine and prone positions.
   c. Use the major directional terms to describe relative location of body structures (Table 1.3)
   d. Identify the various planes in which a human body or organ might be dissected.
      Practice identifying what you expect to see when a body, an apple, a layer cake is cut in the transverse (horizontal), coronal (frontal), sagittal plane.
   e. Identify the body cavities and one organ found in each cavity.
4. Homeostasis
   a. Define homeostasis.
   b. Identify two variables that the body controls by negative feedback within the body.
   c. Explain the regulation of body temperature using a “homeostasis graph” (a plot of time (X) vs. body temperature (Y) like that shown in Figure 1.4). In your explanation, you should be able to define and identify on the graph the following:
      1. regulated variable
         a. set point
         b. operating range
         c. "error signal"
      2. stimulus
      3. receptor/sensor (afferent path)
      4. integrator/controller
      5. effector (efferent path)
      6. response
   d. Define positive feedback.
   e. Identify two positive feedback loops in the body.
   f. Draw a plot of time (X) vs. one of these regulated variables (Y) and explain how the positive feedback system works.