Final notes for electric circuits.

1) Read p. 701—Be sure you know the shape of the graphs. When a problems says "an ohmic material", you'll know that it is linear.

2) P. 706 notice the graph. Notice that as the temperature of the material increases, the resistance increases LINEARLY!!!!

3) So, even though it doesn't say so anywhere in the book: as the length of a wire increases, the resistance increases—also linearly.

4) Remember:
   Volts = Joules/Coulomb
   Watts = Volts*Amps = VI, etc
   Watts = Joules/Second
   Amps = Coulombs/Second

5) Make sure you reread the notes on meters. OR check the internet OR ask me at the beginning of class.

6) You should know how to find any of these quantities: V, I, R, P, E (energy), or t, given the other quantities.
   Basic equations: $P = VI$ $V = IR$ and $P = W/t$

7) Know which light bulb is brightest when in parallel or series.

8) Know how to draw circuits.

9) Know how to find equivalent resistance in parallel or series.