Take Home Electricity Test Study Guide:

1. Know and apply the laws of static charge
2. Be able to explain why charged objects can attract neutral ones.
3. Know and describe the three ways objects can be charged.
4. Know what it means to be a conductor or insulator and be able to give an example of each.
5. Be able to explain the distribution of charges when two items are attracted to each other or when an object is getting charged. Eg. Balloon to a wall or the wings of an electroscope.
6. Know the main parts of a cell, definition of a battery, types, give an example of each.
7. Know the difference between static and current electricity.
8. Be able to recognize the correct symbols of a circuit diagram.
9. Be able to read an image of an ammeter and convert between mA and Amps.
10. Be able to calculate voltage, current, or resistance using Ohm’s law, given a word problem.
11. Know the difference between series and parallel circuits: how voltage and current behaves, how lights are affected (the PHet should help with this).