**Current Electricity Quiz Review**

***About the quiz:*** Tomorrow’s quiz is out of 20 and is made up of a combination of multiple choice and short answer questions including calculations that require you to show your work. You will see the chart below as a resource on your quiz.

V

I

R

1. Define and distinguish between:
2. static electricity and electric current
3. conventional current and electron flow
4. How does the charge of electrons relate to the flow of electrons in a circuit?
5. Define the following, including its unit and symbol.
   1. Current
   2. Voltage
   3. Resistance
6. What is resistance? What is to Ohm’s Law?
7. Draw 1 resistor, 2 cells in series and 3 light bulbs in parallel with a switch the turns on/off the whole circuit. Include an ammeter and voltmeter in the appropriate places of this circuit. (One is in parallel and the other in series.)
8. How is an ammeter and voltmeter positioned in a circuit?
9. How is resistance related to current and voltage?
10. The current in a resistor is 12 A. The potential difference between its terminals is 24 V. What is the resistance in the resistor?
11. A light bulb has a current of 750 mA. If it has a resistance of 8 Ω, what is its voltage? (Don’t forget to change mA to A!)