Name: _____   Date: _____   Hour: _____

Electric Current Checkpoint

$$V = IR \qquad I = \frac{V}{R} \qquad R = \frac{V}{I}$$

1. What is the resistance of a light bulb if 120 V produces a current of .6 A?

2. What voltage produces a current of 40 A with a resistance of 3 ohms?

3. Find the current when a 9 V battery is connected through a resistance of 3 ohms.

4. Use the following words to fill in the blanks (low, potential difference, high). Electric current flows from an area of _____ concentration to an area of _____ concentration; referred to as a _____.