

## Circuits Review

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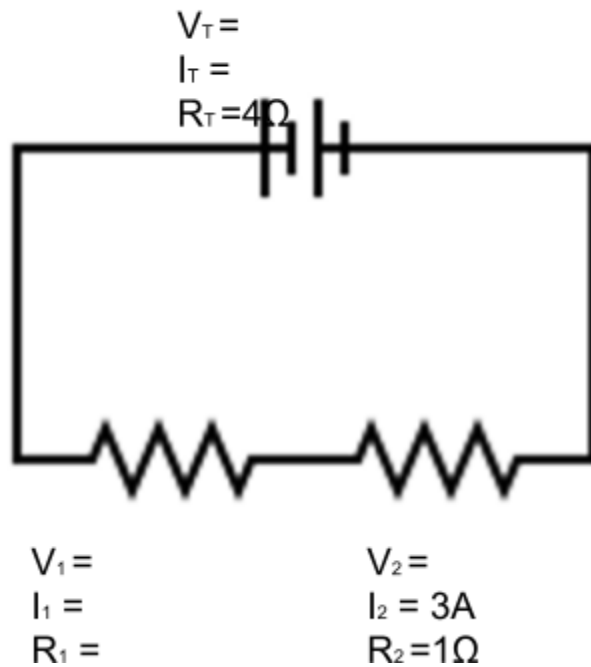
- 1) Draw a circuit diagram with a 6V battery, three lightbulbs in series, and an ammeter.
  
  
  
  
  
  
  
  
  
  
- 2) Draw a circuit diagram with a 1.5V battery, a motor and lightbulb connected in parallel, and a switch controlling both the motor and lightbulb.
  
  
  
  
  
  
  
  
  
  
- 3) Draw a circuit diagram with a 3V battery, three lightbulbs, and one switch. Two of the lightbulbs are off.

### Ohm's law:

- 4) A  $3\Omega$  motor is connected to a 12V battery. What is the current flowing through the motor?
  
  
  
  
  
  
  
  
  
  
- 5) 10A of current flows through a  $5\Omega$  resistor. What is the voltage across the resistor?

**Ohm's Law and Circuits Questions: Solve for each missing part of the circuit**

6)



7)

