

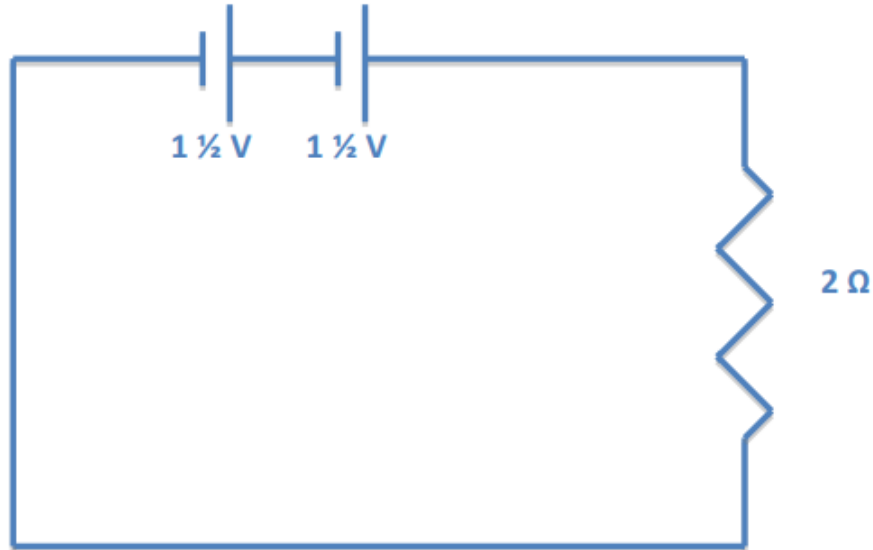
Name:


Date:

Class:


Flashlight Circuit Worksheet **Answers**

Engineers would draw the flashlight circuit as shown below:



1. What do you think the symbol  represents?

The symbol represents a standard 1.5 volt D cell battery.

2. What do you think the symbol  represents?

The symbol represents a #40 lightbulb with 2 Ohms of resistance.

3. How many total volts [V] are in the circuit?

$$1 \frac{1}{2} \text{ V} + 1 \frac{1}{2} \text{ V} = \frac{3}{2} \text{ V} + \frac{3}{2} \text{ V} = \frac{6}{2} \text{ V} = \underline{3 \text{ V}}$$