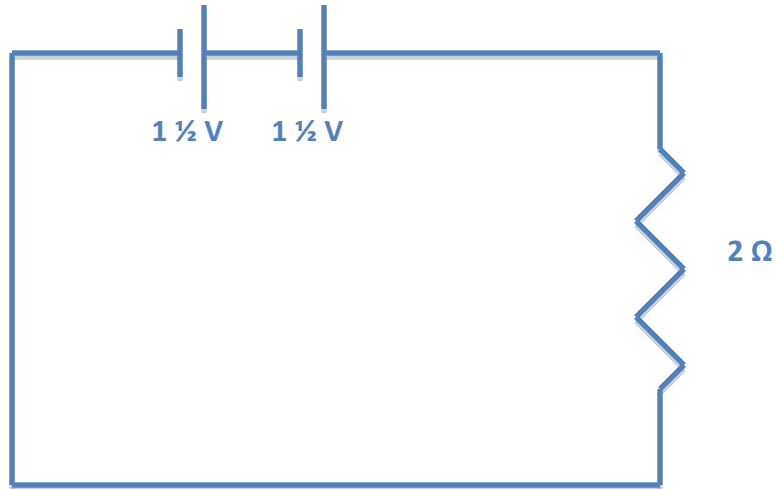




Flashlight Circuit Worksheet **Answers**

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?

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