Name:

Flashlight Circuit Worksheet Answers

1 ½ V 1 ½ V 2Ω 1. What do you think the symbol represents? 1 ½ V The symbol represents a standard 1.5 volt D cell battery. 2. What do you think the symbol $\int 2\Omega$ represents? The symbol represents a #40 lightbulb with 2 Ohms of resistance.

Engineers would draw the flashlight circuit as shown below:

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

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

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