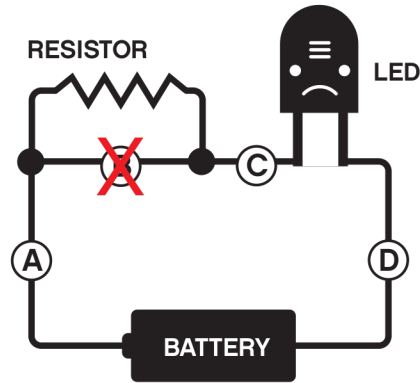
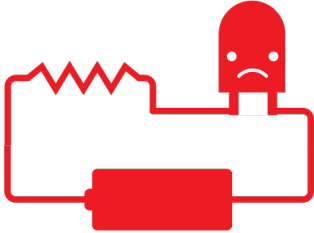


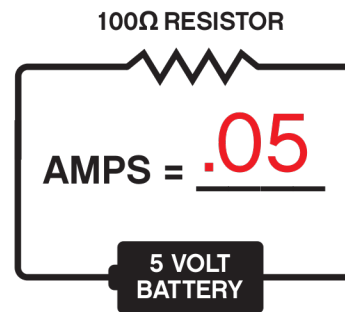
**1 SHORT CIRCUIT**

Mark an X over any lines that need to be removed in order to create a working LED circuit.

**2 CALCULATE AMPS**

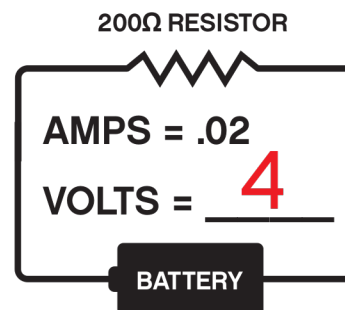
Use Ohm's Law to determine how many amps are flowing through this circuit.

$$5 \div 100 = .05$$

**3 CALCULATE VOLTAGE**

Use Ohm's Law to determine how many volts are supplied by the battery.

$$.02 \times 200 = 4$$

**4 WHICH HAS MORE RESISTANCE**

Circle the diagram with higher resistance.

$$100 + 100 = 200$$

$$\frac{1}{200} + \frac{1}{200} = \frac{2}{200} = \frac{1}{100}$$

