

Electronic Component Research Worksheet

For each of the following electronic components (resistor, capacitor, and light-emitting diode), please answer the following research questions in the space provided. Use the Internet to research your answers.

	Resistor	Capacitor	Light-emitting diode (LED)
What is this component? Give a brief definition and description of the function it performs.			
What is the symbol used in a circuit diagram to represent this component? Draw the symbol.			
Can there be different levels of performance for this type of component? If so, what units are used to measure its performance/capabilities? (For example, some batteries provide, say, 9 volts of electricity, while others provide only 1.5 volts.)			
How are resistors marked to indicate the amount of resistance they provide?			