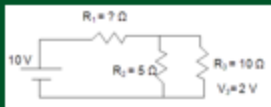


Electric Circuits Online Lab

- Building circuits
- Measuring Voltage (V)
- Measuring Current (I)
- Calculating Resistance (R)
- Determine the effect of changing V, I and R on bulb brightness
- Calculation practice



Online Circuits Simulator

- Click on the picture below
- Click on "Run Now"



Electric Circuits

Activity 1 –

To become familiar with the program, create a chart like the chart below and include all the items you can use in the program. (Hint: Don't forget the grab bag)

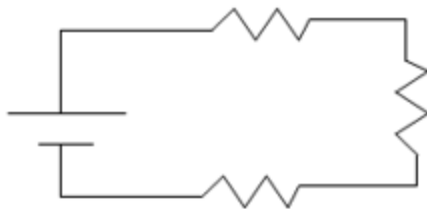
Item	Circuit Element	Circuit Symbol	Function
Light bulb	Electrical Load		Converts electrical energy into light energy

Circuit 1

Circuit 1. Find the voltage of the battery

$$V_1 = 5V$$

$$R_1 = 10 \Omega$$



$$R_2 = 20 \Omega$$

$$R_3 = 5 \Omega$$