

Intel: Circuits and Switches Team Activities Names: _____

For all group activities, use the Intel website:

http://educate.intel.com/en/TheJourneyInside/ExploreTheCurriculum/EC_CircuitsAndSwitches/

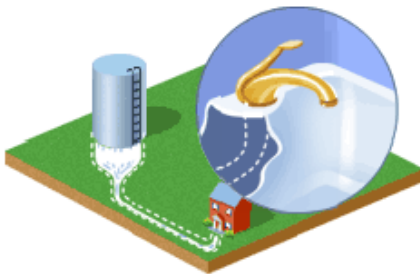
Circuits and Switches Team Activity#1

Lesson 2, Activity 1 and Lesson 4

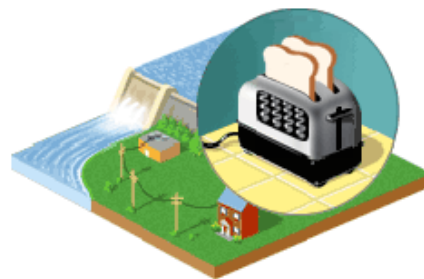
For each picture, identify the four parts to a simple circuit:
power source, conducting path, switch, load

In this activity, you compare household features.

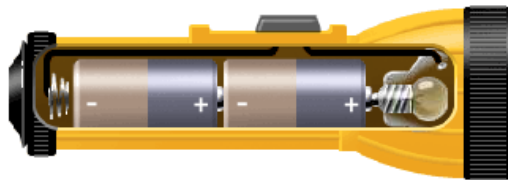
Get water into sink by pressing faucet handle



Get electricity to toaster by clicking toaster

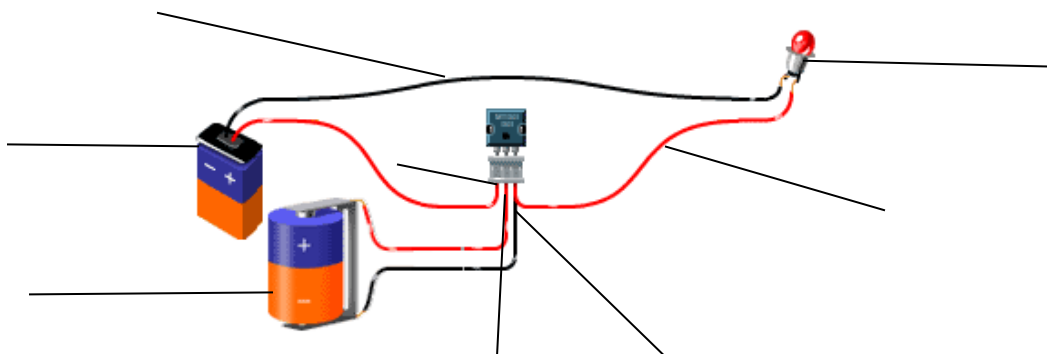


Questions to think about:



Circuits and Switches Team Activity#2 -- Lesson 10, Activity 2

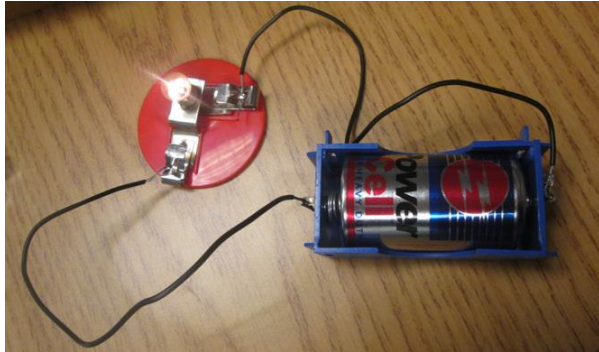
Label the parts of the circuit, including the three parts of the transistor:



Circuits and Switches Team Activity#3 -- Lesson 10, Activity 2

Pick up a circuit kit from the teacher. Use this kit to create the three types of circuits shown below. You can also use a mechanical switch and a transistor.

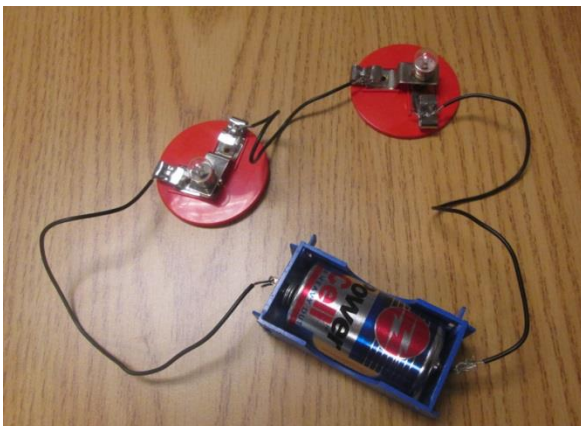
Step #1 – simple circuit



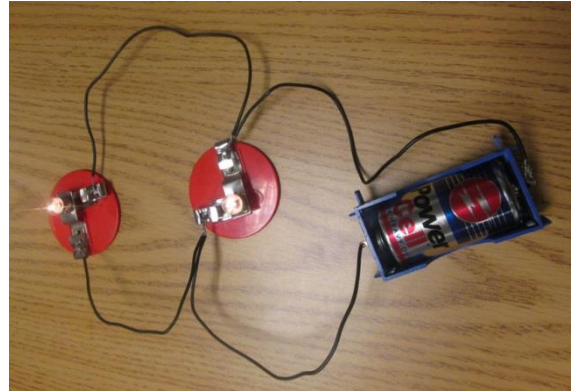
Step #2 – simple circuit with a switch



Step #3 – serial circuit (you can leave in the switch if you want to)



Step #4 – parallel circuit
(with or without a switch)



Step #5 – change the switch to a transistor

