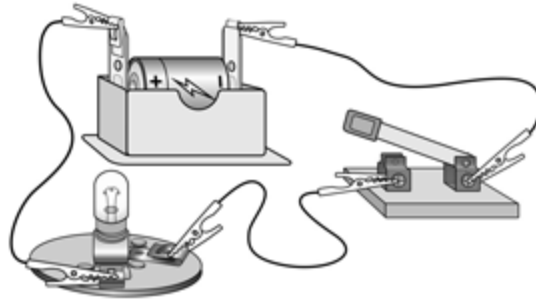




Simple Circuit Spotlight Activity

Activity Focus:

- Understand how to read a schematic and produce the circuit it is describing.

Extension: add lamps to create series and parallel (see [notes](#) on this)

Problem:

Create a simple circuit, first in parallel, then in series.

Design Criteria and Constraints:

1. You must use the materials provided
2. You must show the instructor your work to be checked

Procedure

Step # 1- Gather the following supplies:

- - battery, 9V
- - Switch
- - lamp
- - Light bulb
- - Alligator clips, 3

Step #2 – Read this article: <http://www.zen22142.zen.co.uk/Prac/readdiag.htm>
and set up your circuit.

Step #3 – Have the teacher check your work

Assessment/Reflection

Did the switch turn the light on?

Why or why not?

What did you change to correct any issues?

If you did not have any issues, please explain how the light was turned on (detailed step by step)