

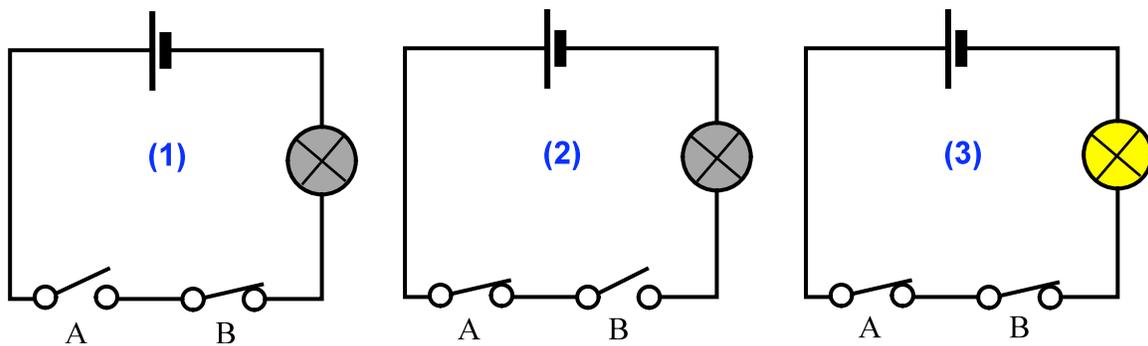
Experiment B: Electrical Circuits (age 11 – 14) – Series Circuits & Switches

Experiment Objective:

The aim of this experiment is to investigate the action of switches in series circuits.

Classroom Activity:

Students set up the circuit shown and observe what happens when they open and close the switches.



Students then use the equipment provided to construct various circuit / switch combinations and record their observations.

Resource materials needed:

Circuit board; Bulbs (3); Batteries (3); Switches (3) & Leads.

Expected outcomes:

By the end of the session students will understand the effects of placing one and multiple switches in series circuits.

Linked Resources

www.twothirtyvolts.org

Electrical Circuits 11-14 Student Revision Notes
Electrical Circuits 11-14 Revision Quiz
Electrical Circuits 11-14 Lesson Plan
Electrical Symbols 11-14 Student Revision Notes
Electrical Symbols 11-14 Revision Quiz