

CIRCUIT DIAGRAMS

01. Build a circuit with a power supply, 3 light bulbs, and a switch all connected in series.
02. Build a circuit with a power supply and 3 light bulbs all connected in parallel. Place the switch so that all lights go off when the switch is opened.
03. Build a circuit with a power supply and 3 light bulbs all connected in parallel. Place the switch so that only 1 light goes off when the switch is opened.
04. Build a circuit with a power supply and 2 light bulbs connected in parallel and one light connected in series with the two in parallel. Place the switch so that only 1 light goes off when the switch is opened.
05. Build a circuit with a power supply and 2 light bulbs connected in series and one light connected in parallel with the two in series. Place the switch so that only 1 light goes off when the switch is opened.
06. Build a circuit with a power supply and 2 light bulbs connected in series and one light connected in parallel with the two in series. Place the switch so that 2 lights goes off when the switch is opened.