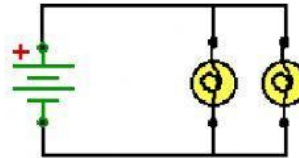
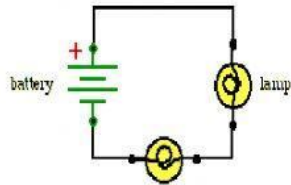


Circuit

Use the passage and your notes to match the terms with the correct description.

Electric current is the passage of electricity along a wire or other electrical conductor. The path along which the current flows from start to finish is called a circuit. A circuit includes (1) a source of energy, such as a generator; (2) wires usually made of copper, which is a good conductor ;(3) any appliance that the current operates; and (4) a device, such as a switch, to turn the current off. If any part of the circuit is removed, the current cannot flow; the circuit is said to be opened. When the connection is made again, the circuit is closed. A circuit breaker is a device that opens a circuit automatically when the current grows too strong. In a series circuit the appliances are connected together by a single wire, and the current must pass through each to reach the next one. In a parallel circuit the appliances are connected so that the current flows through each one separately, and the appliance can be turned on or off without affecting the other appliances.



current	open circuit	closed circuit	circuit breaker	conductor	switch	short circuit
circuit	electric appliance	overload	generator	series circuit	fuse	parallel circuit

1. A circuit in which the current keeps flowing _____
2. A device used to open or close a circuit _____
3. A complete path through which an electric current can flow from the source of electrical energy and back again

4. Circuit in which two or more appliances are connected together by a single wire _____
5. Device used to open a circuit if too much current flows through it _____
6. Electricity flowing along an electrical conductor _____
7. Circuit in which two or more appliances are connected so that current flows through each one separately

8. An overload of a circuit in which the current takes a short-cut back to its source without first flowing through some appliance that uses its energy _____
9. A machine that changes mechanical energy into electrical energy _____
10. A machine operated by electricity such as a washer, iron, or hotplate _____
11. A circuit that has more current than it is designed to carry _____
12. A circuit in which the connection has been broken _____
13. A material through which an electric current can flow easily _____
14. A device that opens a circuit automatically _____