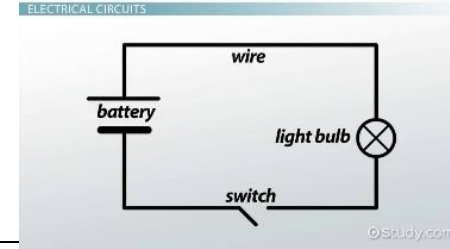


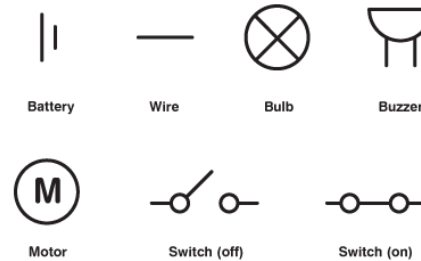
Electricity



Vocabulary

- Can I identify things that are powered by electricity?
- Do I understand that electricity can be dangerous?
- Can I construct a circuit?
- Can I explain how circuits work using a circuit diagram?
- Can I investigate which materials are conductors and which are insulators?

Word	Meaning
Electricity	A form of energy carried by wires. Used for heating, lighting and to power machines
Electrical circuit	Paths for moving electricity.
Cell	A device used to generate electricity. A battery is a cell.
Wire	Electrical wire is used to carry electricity.
Motor	Changes electricity into movement.
Loop	Electricity flows, from a power source, in a loop or circuit back to a power source.
Conductor	Materials that allow electricity to flow through them easily
Insulator	Material that doesn't carry electricity.



Important Facts

- Electricity can be dangerous.
- Electrical energy can be converted into heat, light, sound and movement.
- The plastic cover that surrounds wire is an electrical insulator.
- A circuit always needs a power source.
- A circuit will only work if the loop is complete.