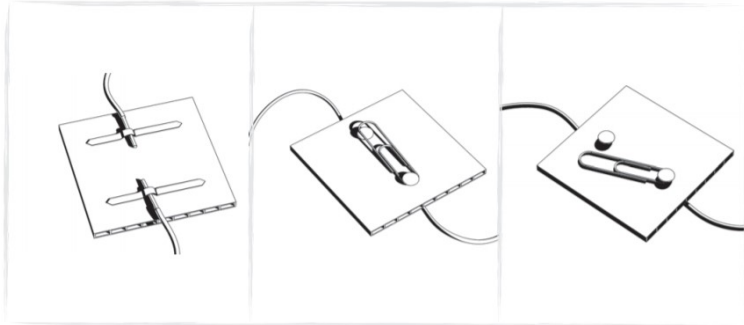


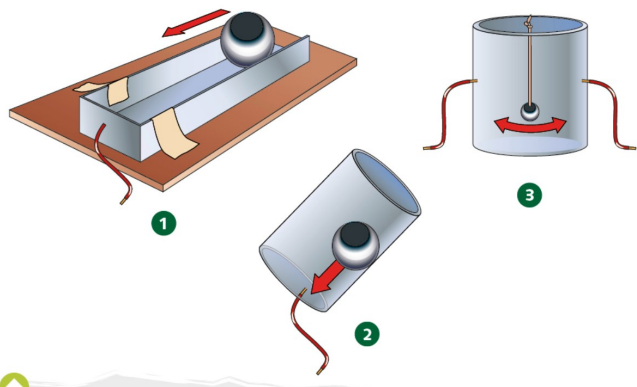
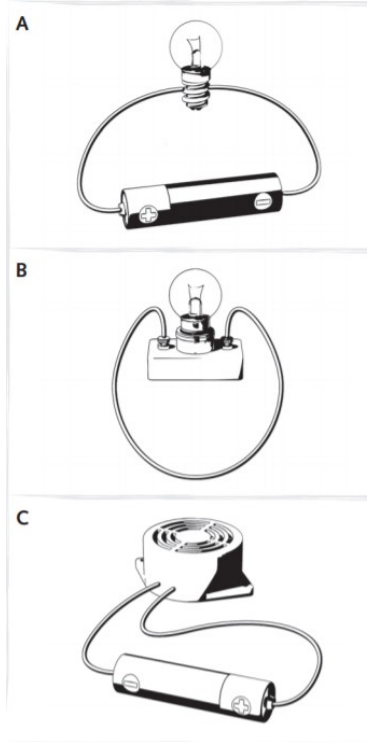
Switched On — Year 4 — Autumn 1



Back of switch

Switch is closed

Switch is open



| | Electrical conductor | Electrical insulator |
|-----------|----------------------|----------------------|
| Metal | | |
| Non-metal | | |

Vocabulary

| | | |
|----|---------------------|--|
| 1 | Electricity | A form of energy resulting from the existence of charged particles. |
| 2 | Battery | A container consisting of one or more cells, in which chemical energy is converted into electricity and used as a source of power. |
| 3 | Rechargeable | Able to have its electrical energy restored by connection to a power supply. |
| 4 | Solar | Relating to or denoting energy derived from the sun's rays. |
| 5 | Circuit | A circuit is a closed loop that electrons can travel in. |
| 6 | Conductor | Conductors are materials that permit electrons to flow freely from particle to particle |
| 7 | Insulator | Insulators are materials that impede the free flow of electrons from atom to atom and molecule to molecule. |
| 8 | Electron | A stable subatomic particle with a charge of negative electricity |
| 9 | Filament | A conducting wire or thread with a high melting point, forming part of an electric |
| 10 | Switch | A device for making and breaking the connection in an electric circuit. |