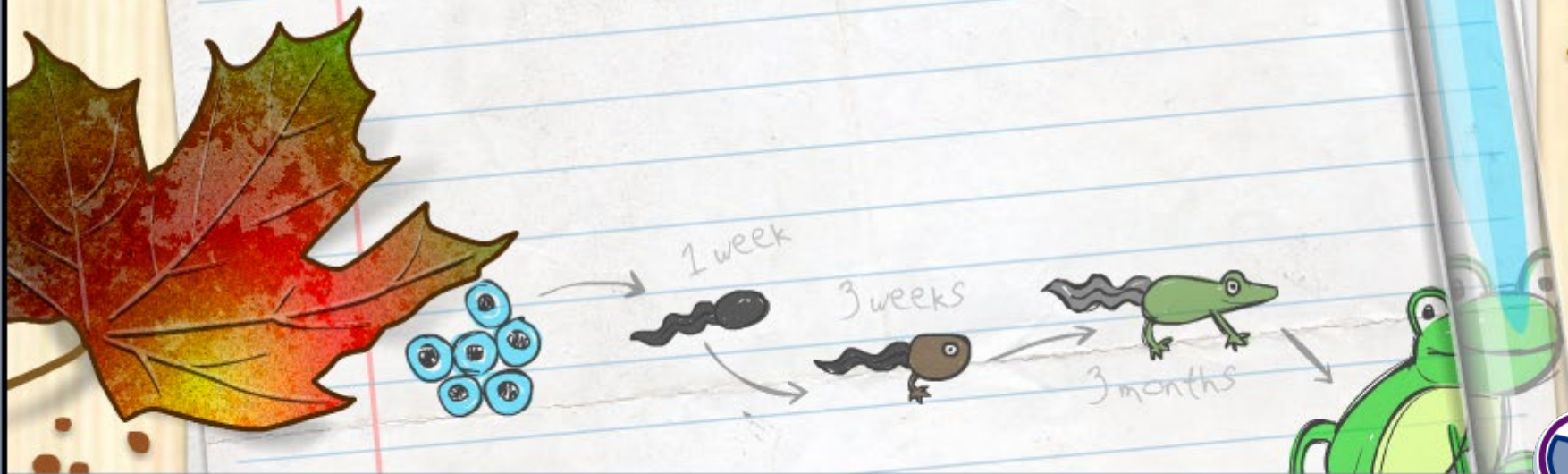


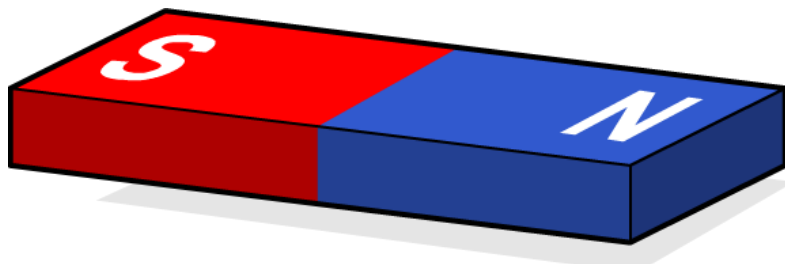
Electromagnets



What do you know about **magnets**?

Magnets attract objects containing steel or iron.

Magnets have two opposite poles. Like poles **repel** each other and opposite poles **attract** each other.



Most magnets you see are permanent magnets.

It is possible to create a **temporary** magnet by running an electric current through a wire.

A magnet created by electricity is called an **electromagnet**.



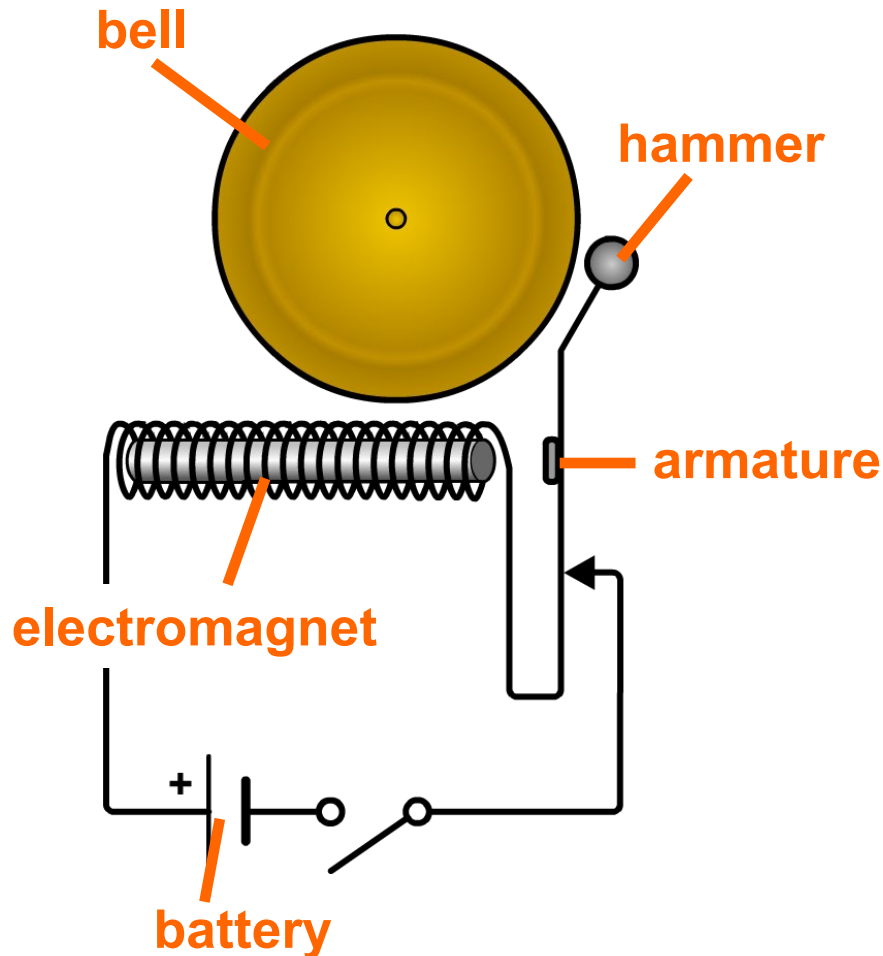
Electromagnets



Electromagnets



The circuit for a door bell includes an electromagnet.



When the circuit is closed, the electromagnet attracts the armature, causing the hammer to strike the bell.

This movement breaks the circuit, and the hammer returns to its original position.

Electromagnets

