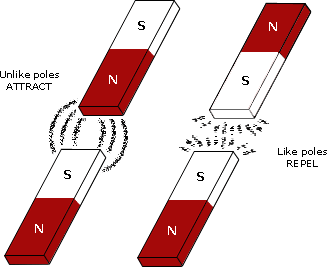
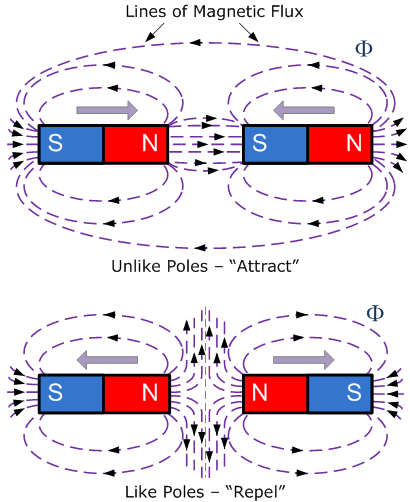
Toy Factory Unit

**Magnetism and Electromagnets**

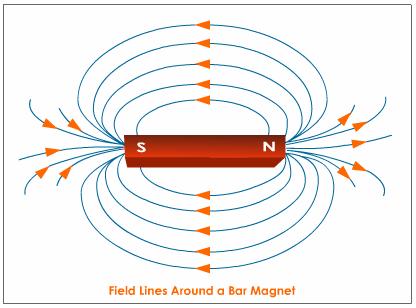
1. **magnetisim-** a force that pushes and pulls certain metals. 
2. **magnet-** an object that attracts certain metals. It is most attracted to iron.



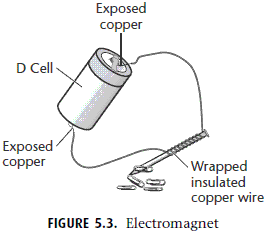
1. **attract-** to pull something closer
2. **repel-** to push something away
3. **magnetic poles-** Two areas where the force of a magnet are at its greatest.

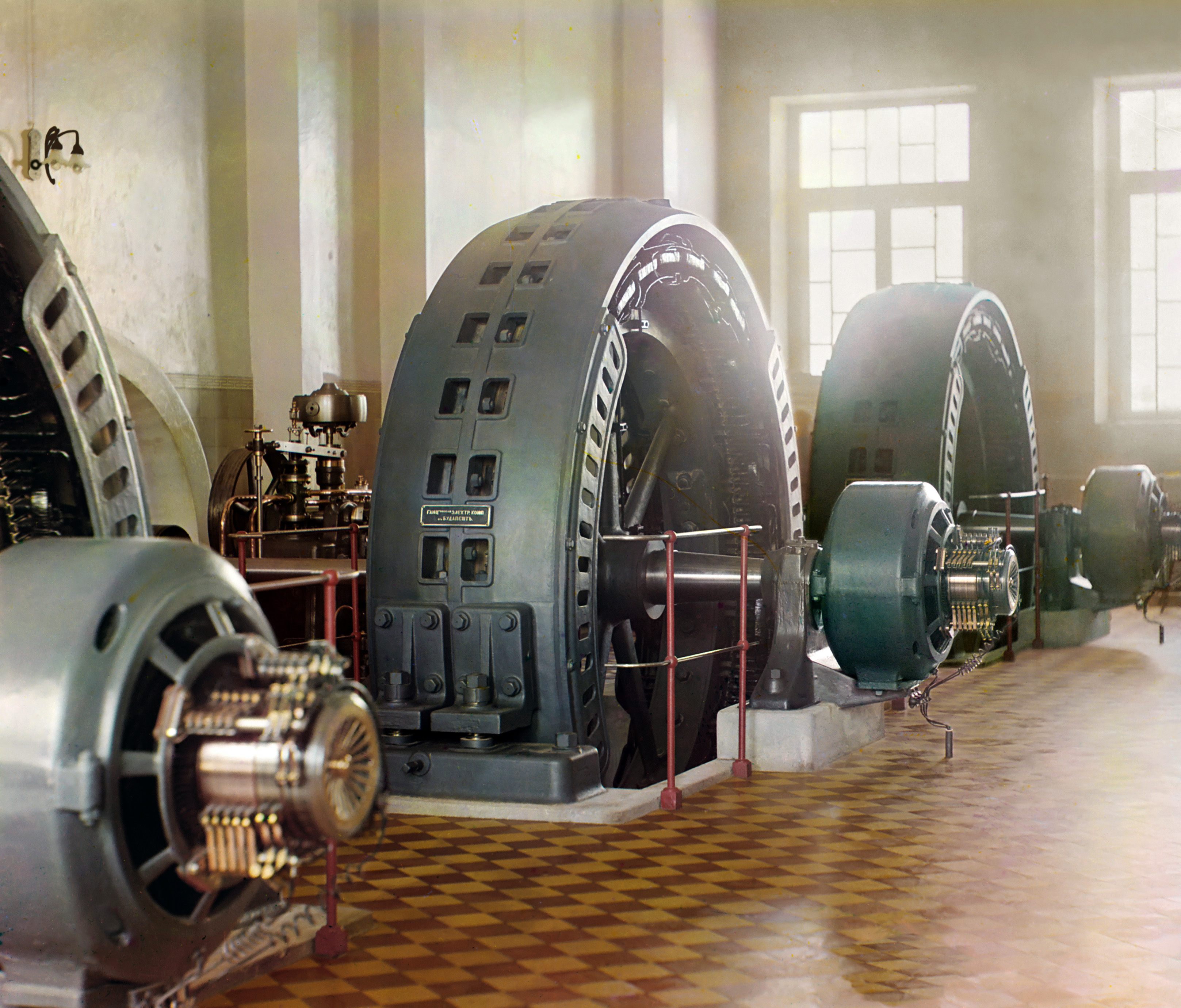
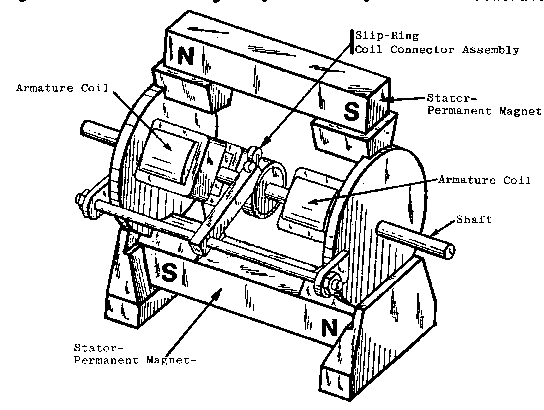
1. **magnetic field**- an area around a magnet where magnetic force can be felt.



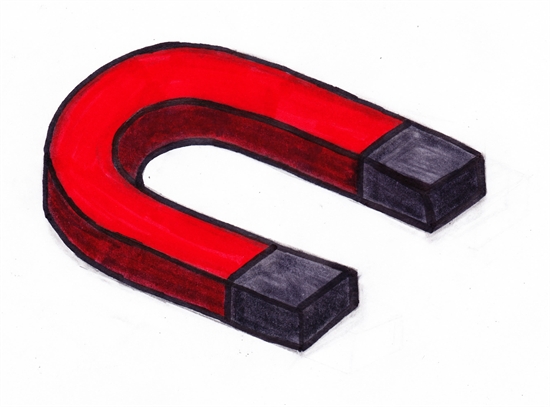
1. **electromagnet**-A strong temporary magnet that uses electricity to produce magnetism.



1. **generator**-A device that uses magnetism to convert the energy of motion into electrical energy.

1. **permanent magnet**- An object that keeps its magnetism for a long time.



1. **temporary magnet**- An object that loses its magnetism after a short time.



1. **compass** – An instrument that senses magnetic north using a free-moving magnet.

