alternating current	electrical current that reverses direction periodically
armature	the laminated soft-iron core around which conducting coils are wrapped in an electrical motor or generator
back emf	the induced emf that opposes the applied emf in an electrical circuit such as a motor
brushes	conductors used to provide electrical contact to the moving parts of an electrical motor or generator, usually made of graphite
DC electrical motors	motors that convert electrical energy into mechanical energy, consisting of a rotor, field structure, commutator and brushes

direct current	a current that flows in one direction only
eddy currents	circular currents that are induced in a solid conductor (such as a metal sheet) when it is placed in a region of changing magnetic flux
electrical field	the region in which a charge experiences an electrical force
electromagnetic induction	the conversion of mechanical energy into electrical energy
Faraday's law	a law stating that the induced emf is proportional to the rate of change of magnetic flux through the circuit

field structure	the magnetic field of motors and generators; can be made from permanent magnets or electromagnets
galvanometers	sensitive current measuring devices that use the motor effect in their operation
generators	machines that convert electrical energy into mechanical energy, consisting of a rotor, field structure, slip rings and brushes
induced current	a type of current produced by the phenomenon of electromagnetic induction
induction heater	a type of modern cook-top that uses current-carrying coils placed under metal saucepans to induce eddy currents to heat metal pans for cooking

Lenz's law	a law stating that the direction of the induced emf is such that the current it produces creates a magnetic field opposing the change that produced this emf
lines of force	lines drawn to represent the direction and strength of electric, gravitational or magnetic fields