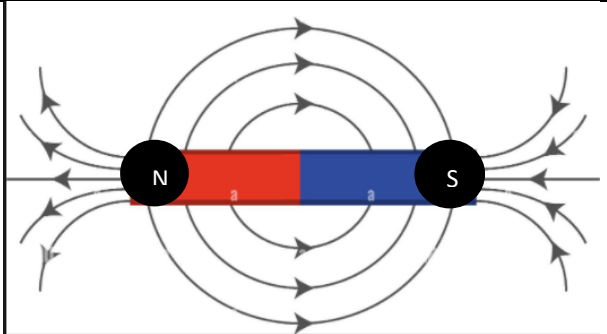
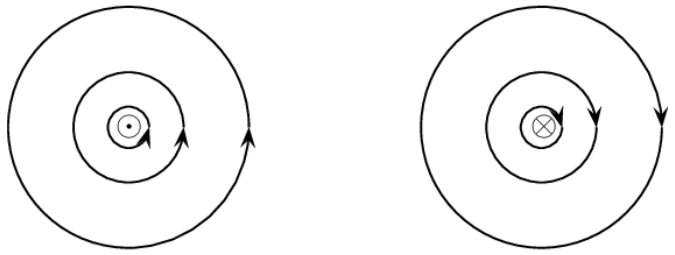


Magnetism		
1	Poles	the ends of a magnet (North and South) where the magnetic field is strongest
2	Interaction of like poles	like poles repel
3	Interaction of opposite poles	opposite poles attract
4	Permanent magnet	a material which produces its own magnetic field
5	Induced magnet	a material that becomes a magnet when placed in a magnetic field
6	Magnetic field	the region around a magnet where a force acts on another magnet or on a magnetic material
7	Direction of magnetic field	the direction of a magnetic field is always from north pole to south pole
9	Solenoid	a coil of wire with multiple turns
10	Electromagnet	a solenoid with an iron core
11	Factors affecting strength of electromagnet	-distance from magnet -size of current -number of turns on the solenoid -if an iron core is present
12	Motor effect	when a conductor carrying a current is placed in a magnetic field the magnet producing the field and the conductor exert a force on each other
13	Magnetic flux density (B)	number of magnetic field lines passing through an area
14	Magnetic flux density unit	Tesla (T)

Magnetic Field Diagrams		
15	Magnetic field around a bar magnet	
16	Magnetic field around a current carrying wire	 <p style="text-align: center;">out of the page into the page</p>
17	Magnetic field around a solenoid	