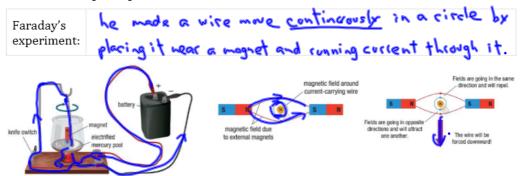
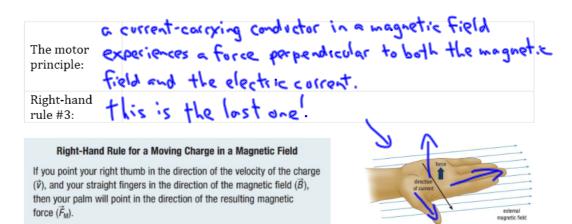
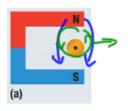
SPH3U 12.5 The Motor Principle

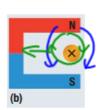
1. The motor principle

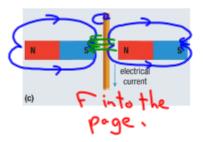




Draw the magnetic field lines of both the magnet and the conductor. Then determine the direction of the force on the conductor.



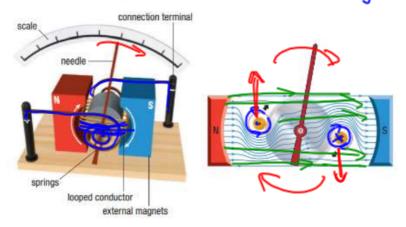




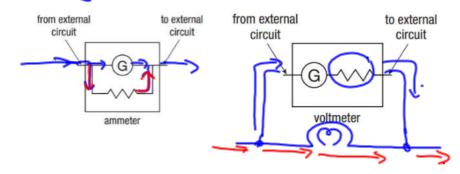
Analog: physically moving (not digital).

2. The analog meter

The galvanometer: much it twists as a result of a magnetic field.



Ammeter: galvanometer with a resistor in parallel
Voltmeter: galvanometer with a resistor in series.



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