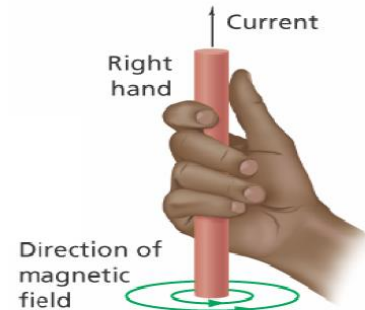


Fun times with the Right Hand Rule $\times 2$

Right Hand Rule #1

A magnetic field is produced by a straight wire conductor carrying a current.

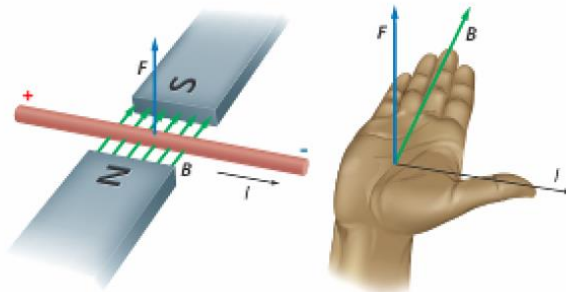
This Right Hand Rule for a straight, current-carrying wire shows the direction of the magnetic field.



Right Hand Rule#2

A current-carrying wire experiences forces when placed in a magnetic field.

This Right Hand Rule can be used to determine the direction of force when the current and magnetic field direction are known.



For Moving charged Particle:

Example:

- Charge moving up the page (thumb)
- Magnetic field to the left (fingers)
- The force will be **out of the page** (direction palm is facing)

