

Charged Particle in a magnetic Field

When a charged particle interacts with a magnetic field, it experiences a magnetic force, This force results in the path of the charged particle being bent into a circular path

$$r = \frac{mv}{qB}$$

Make sure to regularly review formula sheet to remember quantities and units associated with those

opposite charges will feel opposite forces, a proton and electron in the same field will go in opposite directions.

x means into board, · means out of the board

Mass Spectrometry

QUESTIONS

- 1-6 Handout