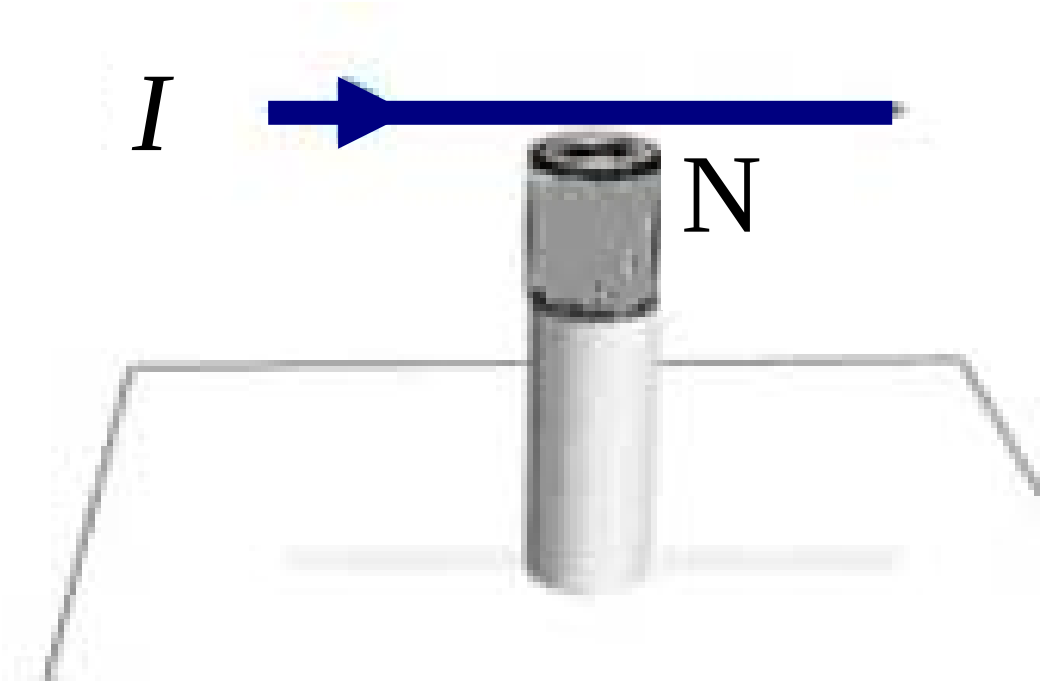
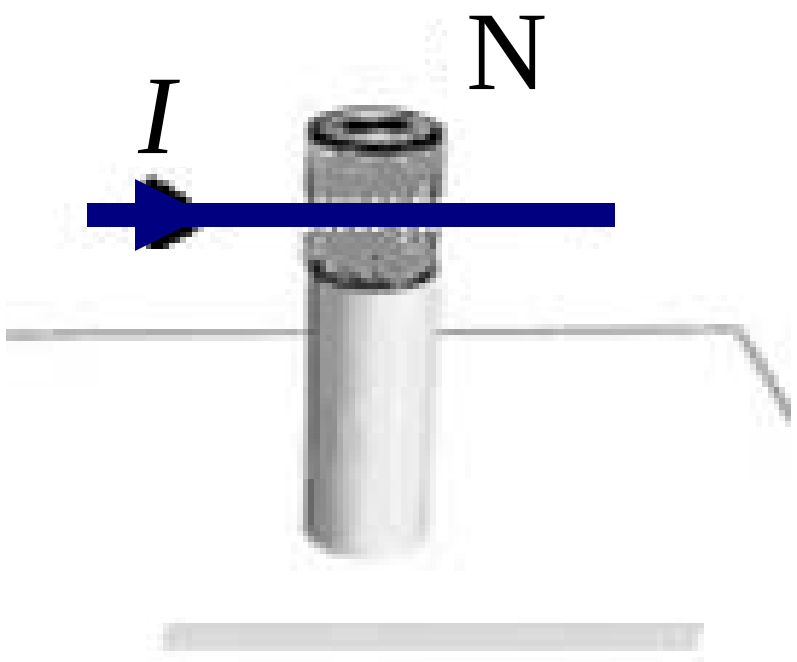
Experiment 6: Prediction 1



Wire is above the magnet.
The force on the wire is:

1. Up
2. Down
3. Right
4. Left
5. Into Page
6. Out of Page
7. Don’t Know

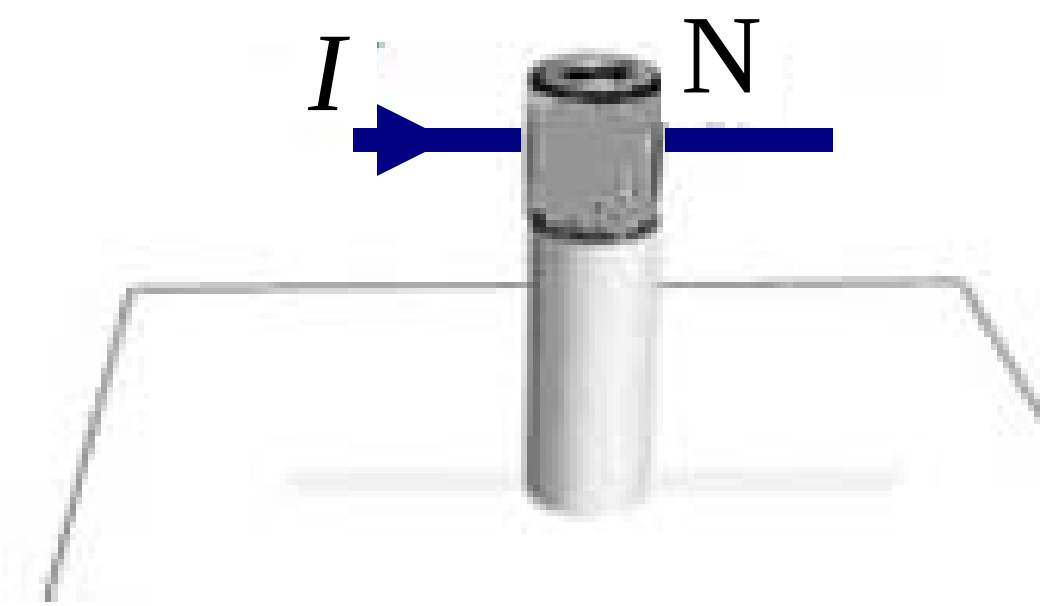
Experiment 6: Prediction 2



Wire is in front of magnet.
The force on the wire is

1. Up
2. Down
3. Right
4. Left
5. Into Page
6. Out of Page
7. Don’t Know

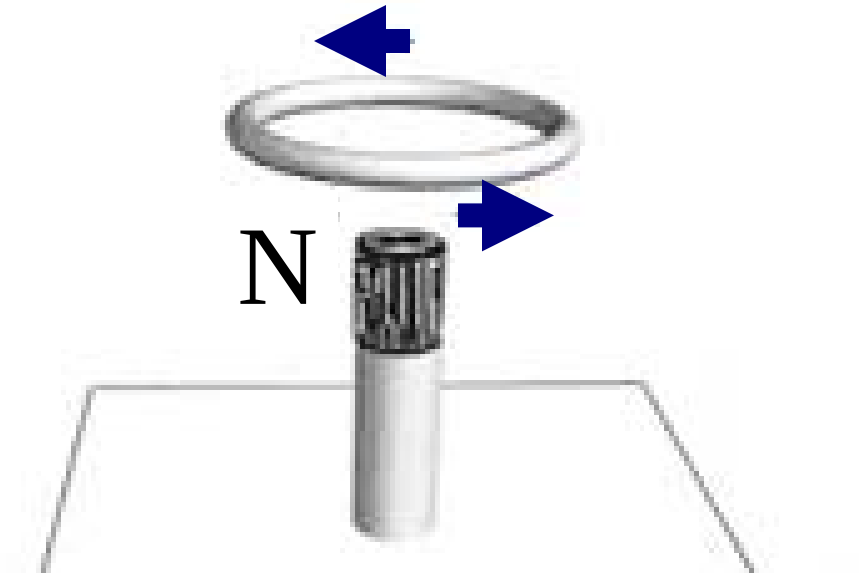
Experiment 6: Prediction 3



Wire is behind the magnet.
The force on the wire is

1. Up
2. Down
3. Right
4. Left
5. Into Page
6. Out of Page
7. Don’t Know

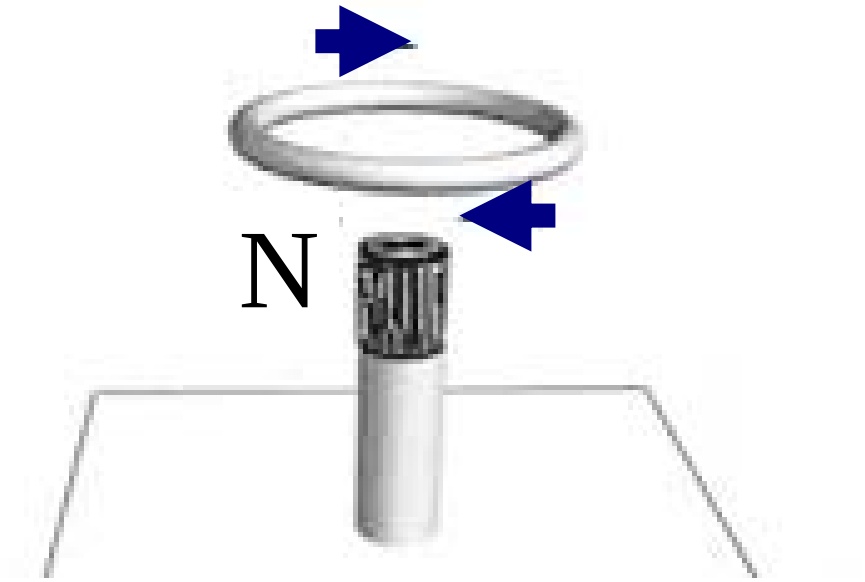
Experiment 6: Prediction 4



Force on the coil of wire is

1. Up
2. Down
3. Right
4. Left
5. Into Page
6. Out of Page
7. Don’t Know

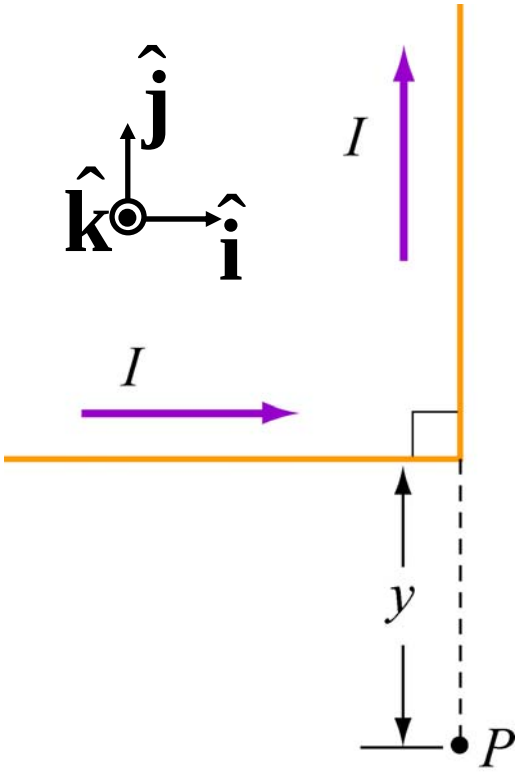
Experiment 6: Prediction 5



The force on the coil of wire is

1. Up
2. Down
3. Right
4. Left
5. Into Page
6. Out of Page
7. Don’t Know

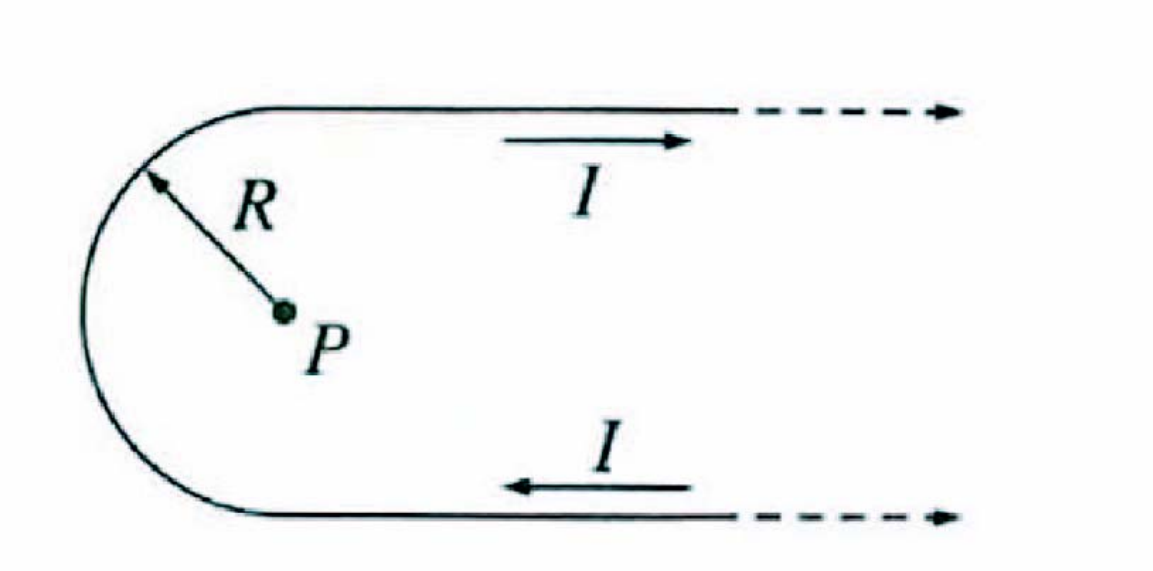
Bent Wire



The magnetic field at point P

1. points towards the +x direction
2. points towards the +y direction
3. points towards the +z direction
4. points towards the -x direction
5. points towards the -y direction
6. points towards the -z direction
7. points nowhere because it is zero

Curved Wire

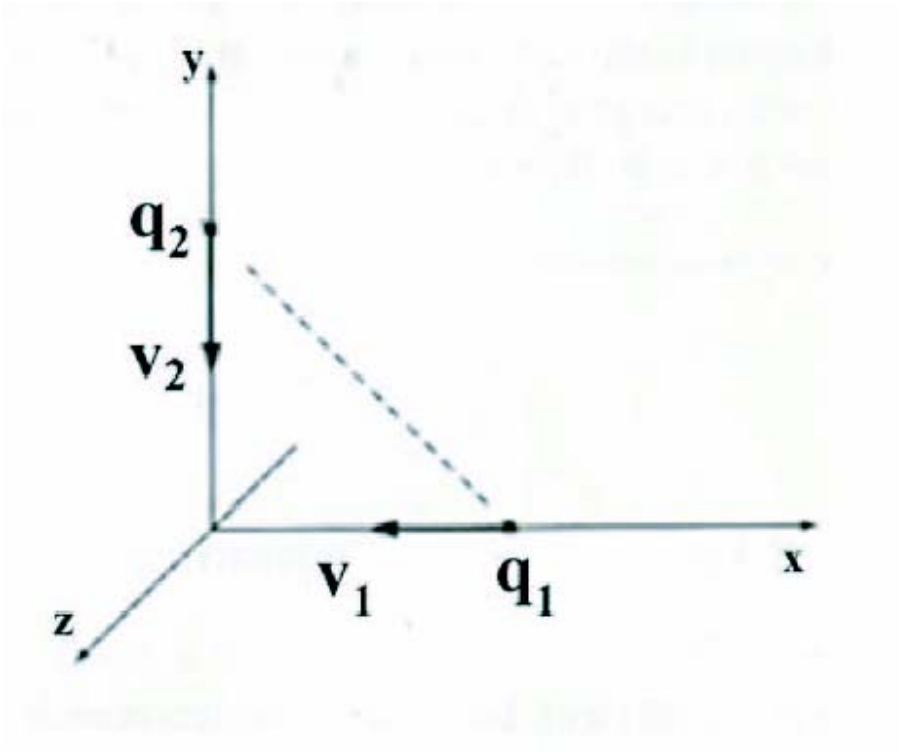


The magnetic field at P is equal to the field of:

1. a semicircle
2. a semicircle plus the field of a long straight wire
3. a semicircle loop minus the field of a long straight wire
4. none of the above

Two Particles

Two positive charges are mounted on tracks that force them to move at constant velocities. The magnetic force on the charge q_1 due to q_2 points in the direction of:



1. +x
2. +y
3. +z
4. -x
5. -y
6. -z
7. Nothing (zero force)
8. Points in some other direction