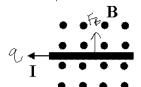
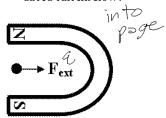
2008 Magnetism In Class Review 1

 A current carrying wire is placed into a magnetic field. Which direction will the wire deflect?



2. A wire is pushed between the poles of a horseshoe magnet. Which direction will the induced current flow?

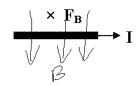


N

S

S

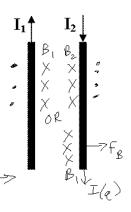
3. A wire is inside a magnetic:
When the battery is turned o
wire deflects as shown. Findirection of the magnetic fie



- 4. A. Above wire 1, which direction does B₁ point?
 - B. Will the two wires attract or repel each other?
 - C. Prove it.

 Between wires

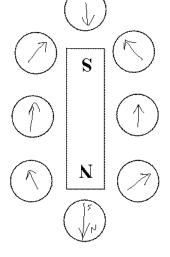
 BitBz are both X
- z) PHR



- 5. A. If the arrows show direction of current flo in the wire loop, which tion is north; into or or the page?
 - B. Which way will the turn? From to the
 - C. This is the simplest example of what?

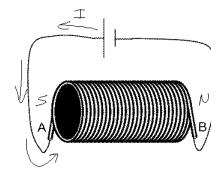
- 6. A. Fill in the compass arrows.
 - B. Compasses always point away from what?
 - C. Underneath the earth's north pole is what pole of the earth's internal magnet?

south



- 7. A. Draw the direction of current flowing from the battery.
 - B. Which side of the solenoid will be N? \mathcal{K}
- Q C. Where is the magnetic field the strongest?

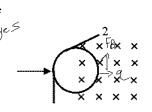
 openings (solvely inside)



- 8. The wire loop is moving to the right.
 - A. Will the loop of wire experience an induced current inside it?

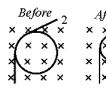
B. Why? BIS INCRESSING

< C Will it flow CCW or



9. Will the loop of wire experience an induced current? US

B. Why? area is reducing, Bis decreasing



C. Is the current flowing CCW or CW?

cstephenmurray.com

C. Is the current flowing CCW or CW?

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