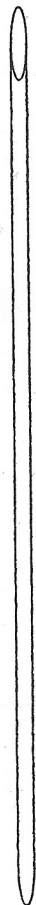


## Intro to Magnetism Questions

Show given information, equation(s) and algebra prior to substitution for full credit. Don't forget significant figures or units. Neatly box the final answer. Raise your hand if you have any questions.

1. Have magnetic monopoles been found? What happens if you break a magnet in half?
2. Do stationary electric charges produce magnetic fields? Explain.
3. In iron and some other magnetic materials there are areas called \_\_\_\_\_.
4. Magnetic fields have the symbol \_\_\_\_\_ and are measured in units of \_\_\_\_\_.
5. Electric charges moving through a magnetic field experience a \_\_\_\_\_. This is a maximum if they move \_\_\_\_\_ to the field and zero if they move \_\_\_\_\_ to the field.
6. Draw the magnetic fields with direction arrows.



wire  
current flow

