

Name: \_\_\_\_\_

**PRE-LAB #12**  
**MAGNETISM & ELECTROMAGNETIC INDUCTION**

Before starting the laboratory session, be sure read *Investigation #12: Magnetism and Electromagnetic Induction* and then answer the following questions:

1. In this investigation, you will be using magnets. Just from your everyday experience, write down at least FOUR things that you already know about magnets.
2. Write down at least FOUR things that you want to know about magnets.
3. In **Part II**, you will construct a magnetic compass. If your compass is constructed properly, what do you expect it to do if you rotate it away from its “North-South equilibrium position” and then release it?
4. What is the device that you will construct in **Part IV**?
5. What is the device that you will construct in **Part VI**?