Experiment 9: Electromagnetic Induction

Student Name: _____

Section Number: _____

PRELAB

PRE-LAB Instructions:

Print out this page. Feel free to refer to the lab Instructions and other materials, your physics textbook, other students, etc. to help you to ponder, understand, and work out answers to the following question(s). Show your work & answers in the space(s) provided.

PRE-LAB Questions

1) If a straight wire lies on this paper and carries a current from left to right, indicate the direction of the magnetic field on both sides of the wire (sketch the diagram).

2) Describe (don't just list) three ways of inducing an emf in a coil of wire.

3) What role does electromagnetic induction play in the commercial generation of electricity?