

Chapter 8 Study Guide

Prior to lecture:

1. Read Ch. 8 in textbook
2. Define the following terms:
 - a. Magnetic poles
 - b. Ferromagnets and Electromagnets
 - c. Magnetic domains and Curie temperature
 - d. Magnetic field and Magnetic field lines
 - e. Magnetic force (moving charge) and Magnetic force (current in wire)
 - f. Faraday's law
 - g. Electromagnetic induction (transformers)
 - h. Motor and Generators
3. Answer conceptual questions 4, 6, 7, 10, 11, 14 and 15 on page 280 of the text.
4. Work through example problem 8.1, and 8.4.

After the lecture

1. Review notes from lecture.
2. Redo all example problems from lecture.
3. Work through example problem 8.5.
4. Answer conceptual questions 5, 8, 12 and 13 of the text.
5. For extra practice, try the following problems from chapter 8 of the textbook: 1, 2, 9, 13, 16, 24, 25, 26 and 27.