Magnetism Use Chapters 36 and 37 to answer the following:

1. What is magnetism?
2. What does figure 36.3 explain?
3. Using figures 36.9 and 36.10, explain how a nail can become magnetized?
4. Look at figure 36.11, 36.12, and 36.13. What is the pattern of magnetic fields around a wire?
5. Page 574: What is the Earth’s magnetic field like?
6. Read the Concept Summary on page 575.
7. Using figures 37.2, 37.3, and 37.4, What is meant by electromagnetic induction? What is being created (induced)?
8. Using pages 580 and 581, what is the difference between a motor and a generator?
9. Page 584 and 585, what is a step up transformer? Step down?
10. Read the concept summary on page 592