

## Chapter 32 Study Guide

Prior to lecture:

1. Read Ch. 32 in textbook
2. Work through example problem 32.1 and 32.2.
3. Answer conceptual questions 1, 5, 10, 11, 19 and 28 on page 1182 of the text.
4. Define the following terms:
  - a. Quality factor
  - b. Breeder reactor
  - c. Critical mass
  - d. Rad
  - e. Sievert
  - f. Supercriticality
  - g. Free radicals
  - h. Nuclear fission
  - i. Nuclear Fusion
  - j. Shielding
  - k. Linear confinement

After the lecture

1. Review notes from lecture.
2. Redo all example problems from lecture.
3. Reread text
4. Work through example problem 32.3 and 32.4.
5. Redo all recitation worksheet problems
6. Answer conceptual questions 4, 7, 8, 11, 16 and 21 of the text.
7. Complete homework for chapter 32
8. For extra practice, try the following problems from chapter 32 of the textbook: 2, 4, 5, 10, 12, 17, 20, 24, 26, 28, 34, 35, 46, 51, 52, 58, and 60.