

Chapter 26 Study Guide

Prior to lecture:

1. Read Ch. 26 in textbook
2. Work through example problem 26.1 and 26.4.
3. On a sheet of paper, complete the “Take-Home Experiments” on page 941.
4. Answer conceptual questions 1, 3, 5, 10 and 20 on page 954 of the text.
5. Define the following terms:
 - a. Near point and Far point of normal vision
 - b. Nearsightedness or Myopia
 - c. Farsightedness or Hyperopia
 - d. Retinex theory of color vision
 - e. Aberration
 - f. Astigmatism
 - g. Presbyopia
 - h. Rods and Cones
 - i. Numerical Aperture

After the lecture

1. Review notes from lecture.
2. Redo all example problems from lecture.
3. Reread text
4. Work through example problem 26.5.
5. Redo all recitation worksheet problems
6. Answer conceptual questions 2, 8, 15, 16, 18 and 19 of the text.
7. Complete homework for chapter 26
8. For extra practice, try the following problems from chapter 26 of the textbook: 2, 3, 4, 5, 7, 9, 11, 15, 18, 20, 21, 26, 28, 30, 33, 35, 37 and 39.