

Lecture 13

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 790 – 798 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes: 26.5
 - 2) Book Objective Questions (p. 799): 12, 13, and 14
 - 3) Book Problems (p. 802): 20

Goals for the Lecture:

- 1) Understand what a dielectric is and how it changes capacitance
- 2) Understand the difference of making changes to a capacitor while it is connected to a power source and when it is disconnected from its power source

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 26: Conceptual Questions: 6 and 7

Ch 26: Objective Questions: 1, 4, and 9

Ch 26: Problems: 43 and 47

Continue with the additional recommended study problems from chapter 26