

Lecture 16

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

- Read pages 846 – 854 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes: 28.5
 - 2) Book Objective Questions (p. 856): 4, 5, and 7
 - 3) Book Problems (p. 858): 37

Goals for the Lecture:

- 1) Understand RC circuits and their time constant, τ
- 2) Be able to do calculations involving time to charge and discharge capacitors in RC circuits

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 28: Conceptual Questions: 6

Ch 28: Objective Questions: 12, 14 and 15

Ch 28: Problems: 38

Continue with the additional recommended study problems from chapter 28