

Lecture 5

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

- Read pages 731 – 737 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quiz 24.3
 - 2) Book Objective Questions (p. 738): 3 and 11
 - 3) Book Problems (p. 742): 24

Goals for the Lecture:

- 1) Understand when Gauss's Law is useful in solving problems and be able to use it to solve problems
- 2) Understand properties of conductors in electrostatic equilibrium, including shielding of electric fields

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 24: Conceptual Questions: 11

Ch 24: Objective Questions: 9

Ch 24: Problems: 27 and 35

Continue with the additional recommended study problems from chapter 24