

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject: Regents Physics

Week #: 2

Date: 9/10 - 9/14

Teacher: Ward and Lever

Topic: Quantum Theory & Early Models of the Atom

Learning Objectives:

1. Describe evidence of dual nature of light.
2. Define photon.
3. Explain the Compton Effect.
4. Calculate the energy of a photon in Joules and eV.
5. Describe the wave nature of everyday objects.
6. Compare and contrast emissions and absorption spectra.
7. Solve energy-level problems and connect results to spectral lines.

Instructional Strategies:

1. Lecture and note taking
2. SmartBoard
3. Problem solving activities

Learning Activities (Technology/DI):

1. EM Spectrum activity
2. Modeling Photoelectric Effect.
3. Test Review Activities

Assessment/Data:

1. Exam – Chapters 27-28
2. Homework assignment #2

