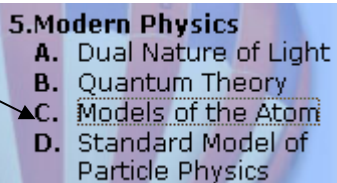


Name _____

Physics - Looking at Modern Physics

Directions: Go to the website www.regentsprep.org and click on the physics link.

Next click on the link C and
Open ATOMIC MODELS
- THE BIG 3 in this section.



1. Atomic Models - The Big 3

Click on The Rutherford Model

Summarize the Rutherford's Experiment: _____

What were Rutherford's Observations?

What were Rutherford's Conclusions?

Click on the Bohr Model

What was the focus of Bohr's research? _____

What are spectroscopic observations of atoms? _____

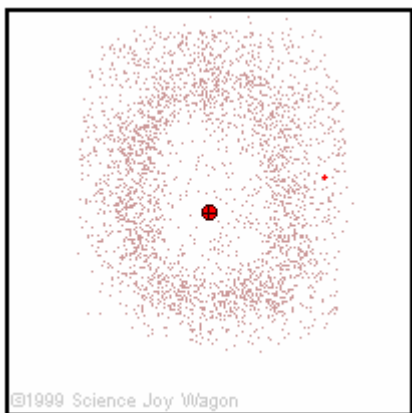
How did these observations lead to the idea of quantized energy? _____

How does the release and absorption of photons relate to energy levels? _____

Click on the Cloud Model

What is the probability function? _____

Describe the characteristics of this picture according to the text



Return back to the Models of the Atom main menu and click on Emission Spectrum - Absorption Spectrum

2. Emission Spectrum - Absorption Spectrum

What is the Visible Spectrum? _____

Describe the Absorption Spectrum? _____

Describe the Emission Spectrum? _____

What is a Red Shift? _____

What is a Blue Shift? _____

Return to the Regents Exam Prep Center for Physics Main Page and Click on the Standard Model of Particle Physics Link and click on The Particle Adventure - *click START HERE*

3. The Particle Adventure

Just check this out...it's some pretty cool stuff

