

A historical timeline on the development of the Quantum (Mechanical model) model of the atom

YOUR TASK:

Create a pamphlet, brochure, PowerPoint presentation, a play, a commercial, a video or any other creative idea on the development of the quantum model of the atom. A timeline is created to show how the atomic model was altered to what is accepted as the quantum model. The presentation should include pictures, diagrams and everything that will help anyone reading, or watching the presentation understand the main idea. This is a *group assignment (2-3 members)* and must be completed in a group manner. You will have class time to prepare this presentation.

List of scientists:

Ernest Rutherford
Niels Bohr
Albert Einstein
Erwin Schrodinger
Werner Heisenberg
Max Planck
Louis deBroglie

In your presentation, you must include

A timeline showing how the quantum model was developed in the respective time frame.
The key scientists involved in the development
The individual scientists contribution that led to the development of the quantum model
What the quantum model means in how we look at atoms today

How you will be graded:

Comprehensiveness of the timeline including all the criteria stated above	/8
Include diagrams, and pictures	/1
Include references (where you got your information)	/1
Informative report on the scientist	/2
Information on the development of the quantum model	/4

The visual product of your presentation (pamphlet, PowerPoint, play etc)	/2
Interactive play/video	Bonus /1

Total /10

Sample ideas:

<http://www.youtube.com/watch?v=ZkNPBy2i0ss> on Neils Bohr