8th Grade Physical Science

History of the Atomic Model

Directions:

1. Make a four square foldable. (In Class)
2. Then place the names of the four scientists on the outside in chronological order, one for each tab.
3. Underneath the tab, describe their contribution to the atomic model theory, how they arrived at that idea, and a picture of their atomic model.
4. Write your name and period on the back of the foldable.
5. Information in your Glencoe 8th Grade Science Book starting on page 74

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| **J.J. Thomson** **1856-1940** | **Lord Ernest Rutherford** **1871-1937** |
| **Niels Bohr** **1913-1963** | John Dalton  1776-1844 |
| J.J. Thompson's Plum Pudding Model    The Mass of the Atom is Positively Charged with  Negative Electrons Embedded in it | Dalton's Bowling Ball Theory    Dalton Believed the Atom Was Solid, Indivisible |
| Rutherford's Planetary Model    A Nucleus is Surrounded by Electrons in Orbit | Bohr's Energy Level Model (Modern)    Electrons are in Energy Level Orbitals  Surrounding the Nucleus |

Pictures from <http://www.ploeger.myclassupdates.com/unit2/id1.html>