**Atomic Theory Project**

**Mrs. Menendez**

The discovery of the atom as we know it today was a progression, like any other major scientific discovery. Many scientists contributed to the development of present day atomic theory. Each proposed model of the atom was based on the models developed prior to it. With each new discovery dealing with the nature of the atom, a new atomic model was constructed.

The objective of this project is to look at the main atomic models and the major scientists involved with their development and create a **Layered Look Book Foldable** to depict the development of the atomic theory.



1. It should be chronological in its sequence; with the dates clearly shown

2. Include the five historical models of the atom – Dalton’s, Thomson's, Rutherford’s, Bohr’s and Schrödinger’s model

3. It may contain pictures, but must contain the date, scientist and explain the significant contributions including experiments of those scientists and atomic models and their contribution as it relates to our understanding of the structure of the atomic model

4. Must include scientists: Democritus, John Dalton, Ernest Rutherford, J.J. Thomson and Erwin Schrödinger.

5. It must be neat, legible and colorful.

6. You should document your sources: your chemistry book, other textbooks, and reliable Internet sources that you use in your research. DO not forget to write the REFERENCES on the back of your foldable book( At least 5 references).

7. This assignment is based on 100 points and it is worth 2 grades.

**Rubric:**

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| --- | --- | --- | --- | --- |
| **Category** | **5** |  **4** | **3** | **2** |
| Dates/Scientists | All scientists/ dates correct**\_\_\_\_\_\_** |  5 scientists or 3 out of order**\_\_\_\_\_\_** | 4 scientists or 4 out of order**\_\_\_\_\_\_** | Less than 4scientist or 5 out of order**\_\_\_\_\_\_** |
| Contribution to Atomic Theory | All contributions listed \_\_\_\_\_\_ | 1-3 errors or contributions not listed\_\_\_\_\_\_ | 3-4 errors or contributions not listed\_\_\_\_\_\_ | More than 5 errors or contributions not listed\_\_\_\_\_\_ |
| Models of Atoms | All 5 models correct\_\_\_\_\_\_ | 4 models correct\_\_\_\_\_\_ | 3 models correct\_\_\_\_\_\_ | 2 models correct\_\_\_\_\_\_ |
| Attractiveness | Exceptionally attractive in terms of layout, neatness, and use of colors\_\_\_\_\_\_ | Attractive in terms of layout, neatness, and use of colors\_\_\_\_\_\_ | Acceptably attractive in termsof layout, neatness, and use of colors\_\_\_\_\_\_ | Not attractive\_\_\_\_\_\_ |
| References | 5 references listed\_\_\_\_\_\_ | 3-4 references listed\_\_\_\_\_\_ | 1-2 references listed\_\_\_\_\_\_ | No references listed\_\_\_\_\_\_ |

**Total**: \_\_\_\_\_\_\_\_\_x 4 **= Grade**:\_\_\_\_\_\_\_

**DUE DATE:**