**Atomic Theory Timeline Project**

Name: Div.: Date:

**Purpose:** Visually show the progress of the atomic theory from **Dalton** to **Thomson** to **Rutherford and Chadwick** to **Bohr,** and finally **Schrodinger**.

**Procedure:** Use your textbook (pg. 154- 162) and any other sources you wish to reference to design a timeline that shows the evolution of the model scientists use for the atom.

**Criteria:**

* Title your timeline/ poster: “Atomic Theory Timeline”
* For each scientist: Dalton, Thomson, Rutherford/Chadwick, Bohr, and Schrodinger include the following:
  + Name and Image of the Scientist
  + Year of discovery / contribution
  + Descriptive Name or Analogy given to their model (i.e. “Nuclear Model”)
  + Accurate diagram of their model
  + *Brief explanation of how the model was developed (i.e. Experiment conducted)*
  + *Brief explanation of the model including changes this model made or problems it solved*
  + *List some Pros and Cons to each model*

**Marking:**

Inclusion of Basic Criteria (5 Models x 4 bullet points ÷ 2) /10

*Explanations + Pros/Cons (5 Models x 3 bullet points x 2pts per)* /30



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| 2 | Demonstrated an excellent understanding of how each model was developed, how it changed our understanding of the atom, as well as the strengths and weaknesses of each model. |
| 1 | Demonstrated a basic understanding of how each model was developed, how it changed our understanding of the atom, as well as the strengths and weaknesses of each model. |
| 0 | Not done  **OR**  Demonstrated very little understanding of how each model was developed, how it changed our understanding of the atom, as well as the strengths and weaknesses of each model. |