Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_

**Poster: Theory of the Atom Timeline**

Directions:

You will be working in groups or partners that I assign to create a poster showing the timeline of the development and changes in the theory of the atom.

Complete the table below to help you get information for your poster timeline. Use the textbook pg. 208-209. If needed, refer to the internet for information or pictures.

|  |  |  |  |
| --- | --- | --- | --- |
| Atomic Model | Date | Main points, contribution to our knowledge of the atom | Model (drawing |
| Democritus |  |  |  |
| Dalton |  |  |  |
| Thomson |  |  |  |
| Rutherford |  |  |  |
| Bohr |  |  |  |
| Chadwick |  |  |  |
| Present day, Electron-cloud |  |  |  |

Your poster must include:

1. The names of all the people in your group listed on the bottom of the front.
2. Title
3. Linear timeline with the 7 atomic models and their associated dates labeled on it (use your table)
4. At least 2 models/people featured in large showing:
   1. Illustration of model
   2. Name of person associated with model
   3. Main points of model
   4. Date of model
5. A short paragraph explaining how and why atomic models have changed over time.

You will be graded on the quality of your work (neatness, attention to detail, best effort work), the completeness and accuracy of your work (includes points 1-5 above), and how well you worked in your group. I will also be looking at the poster chart on the front to make sure you filled it out.