

PPCA Chemistry Honors Atomic Theory Timeline Scoring Rubric Name: _____

The Atomic Theory Timeline Project is designed to showcase the development and progression of our understanding of the atom over time. To that end, there have been key scientists and discoveries along the way which have led to significant changes in atomic theory. Mr. Thompson has given information on many scientists, and there are others who were involved. Select at least 10 scientists who have contributed to atomic theory in some manner. At least one of these scientists must not have been covered in class. Scientists and their contributions must be listed in chronological order – as this is a timeline, after all. Make sure you emphasize how they impacted the development of the atomic model, not just science in general.

Include the criteria for each scientist as listed below:

Project Grade:

Scientist Information - 5 points each, 10 scientists = 50 points

Name, Nationality (1pt), Year of Discovery (1 pt)

What they discovered/theorized/proposed (1 pt)

If an experiment was involved, describe experiment (1 pt)

If atomic model was created or revised, explain the new atomic model (1 pt)

Scientist #1 #2 #3 #4 #5 #6 #7 #8 #9 #10

Points Earned: ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

Total Scientists: ____ / 50

Creativity: ____ / 5

Neatness/Quality/Grammar/Professionalism: ____ / 5

Total Project Score: ____ / 60