

CONTINUATION OF ATOMIC THEORY TIMELINE ASSIGNMENT – if you have room to add to your original timeline from chapter 3, please do so; otherwise, create a new, shorter timeline that includes the new chapter 4 information described below.

The format of the timeline can vary—set it up however you like; however, make sure you have all the information listed below in order to get full credit. **The timeline should be in chronological order—that's what makes it a timeline.**

Section 4.1 (p. 96)

- Bohr's model of the atom – draw a diagram to describe Bohr's contribution to the atomic model and include a summary that describes how his model worked.
- What were the shortcomings of Bohr's model?

Section 4.2 (p. 98-99)

- DeBroglie's contribution to the atomic model – include a summary of his work and what it contributed to modern atomic theory. Draw a diagram to help explain his work.
- Heisenberg Uncertainty Principle – explain Heisenberg's Uncertainty Principle and what led him to this conclusion. Draw a diagram to help explain his principle.
- Schrodinger's contribution to the atomic model – include a summary of his work and what it contributed to modern atomic theory. Include the definition of an orbital and draw a diagram to help explain his work.
- Leave space on your timeline to create a table of the quantum numbers and their meanings and significance.