

Picturing Science (Art in Chemistry) The Development of Atomic Models*

[SC.CH.4.4: Explain that the nucleus of the atom is much smaller than the atom, but contains most of its mass (e.g. protons and neutrons have almost 2000 times more mass than an electron)]

In this assignment you will use a digital camera, and your understanding of the artist perspective of Georgia O'Keefe to illustrate your understanding of the various theories in Atomic Models developed during modern history.

To receive credit for this assignment, you must complete the following:

1. Submit a digital photo (printed or downloaded) of an image in a style of Georgia O'Keefe that represents your selected Atomic Model.
2. Create a Venn Diagram that visually compares and contrasts your photographed image with your selected Atomic Model.
3. Write a paragraph that compares and contrast your image with your selected Atomic Model.

The following rubric will be used: (Attach to your photo and/or paragraph)

Advanced 5	Image selected is relevant, clear. Creative, unique, and follows O'Keefe style	Venn diagram includes many thoughtful comparisons/Contrasts	Clear paragraph includes all parts of Venn Diagram, w/ little to no spelling or grammatical errors
Proficient 4	Image selected is relevant & clear and follows O'Keefe style	Venn diagram includes some relevant comparisons & contrast	Clear Paragraph w/ all parts of Venn diagram w/ some spelling &/or grammatical errors
Approaching 3	Image selected is relevant but not in O'Keefe style	Venn diagram includes comparisons/contrast with some inaccuracies	Paragraph includes most parts of Venn diagram w/ some spelling grammatical errors
Novice 1	Image selected is irrelevant	Venn diagram includes only comparisons or contrasts	Paragraph includes most parts of Venn diagram w/ major spelling & grammatical errors