

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet The Structure of an Atom

A. Fill the table with the correct information for the following neutral atoms.

Element	Atomic Number [Z]	Mass Number [A]	Number of Protons [p ⁺]	Number of Neutrons [n ⁰]	Number of Electrons [e ⁻]
1. aluminum	13	27		14	
2. calcium		40	20		20
3. carbon		12	6		6
4. potassium	19		19	20	
5. barium	56			81	56

B. Choose one of the atomic models that are discussed and illustrate it. Label the parts of the structure of the atom as presented in the model. Write the name of the model and the name of the proponent as the title of your illustration. Provide a brief description of the model. Use the scoring rubrics on the next page.

Illustrate Here

Criteria	3 points	2 points	1 point
Accuracy of Content	All information in the outputs are correct.	The output has one or two incorrect information.	The output has three or more incorrect information.
Creativity	The output is unique, neat, and visually appealing.	The output is neat and visually appealing.	The output is disorganized and lacks creativity.
Completeness	All required information/ components are present.	The output lacks one or two required information/ components.	The output lacks three or more required information/ components.