



ELEMENT ART EXHIBITION PROJECT

DUE DATE: NOVEMBER 9TH AND 10TH ON IN-PERSON LEARNING DAY.

In honor of the National Chemistry week and the 146th anniversary of the periodic table we are going to create an artistic tribute to the periodic table to be displayed in our classroom. Everyone will select an atomic number. This is your assigned element for this project.

Purpose: Create an artistic representation of your element.

General Information:

Research your assigned element (who/how discovered, physical/chemical properties, uses, other facts of interest). You must use at least **two different research websites** and turn in a proper bibliography worksheet with your completed art (see attached).

Information *ideas*:

<ul style="list-style-type: none"> • Atomic Mass • When the element was discovered • Family and group • Period number • How it was discovered • How it received it's name • Number of protons, electrons, and neutrons • Appearance, physical characteristics • Metal, Nonmetal, or Metalloid 	<ul style="list-style-type: none"> • Use in society • Who is credited with the discovery • List of substances where element is found • Size of atomic radius • Boiling point or melting point • Lewis Dot Diagram • Bohr Model • Isotopes • What does it look like (solid, liquid, gas, color, smell, etc.)
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Guidelines:

- Your artwork must be original and of your own design.
- The periodic number, name, and symbol must be obvious.
- Projects must be completed on a standard 8.5x11 piece of paper.
- Electronic Submission via Schoology of the Bibliography Worksheet must be included.
- See Rubric for grading details.



ELEMENT ART EXHIBITION PROJECT RUBRIC

Students Name _____ Hour: _____

Element Name _____ Symbol: _____ Atomic #: _____

ARTWORK	Points Possible	Points Earned	Comments
Element Name, Symbol and Atomic Number	5		
Attractive/Creative The project is dynamic and engages the viewer.	10		
Neatness/Organized There is cohesion, organization and purpose to the layout.	10		
WOW Points	5		
Total Points	30		

BIBLIOGRAPHY WORKSHEET	Points Possible	Points Earned	Comments
Information A clear effort was made to research the element in a thorough manner.	15		
Website Citation	5		
Total Points	20		

Total Project Points: _____ /50

Element Art Exhibition Bibliography Worksheet

You may use the following websites to do your research for your art project. You must use a minimum of two different websites to find information about your assigned element.

1. <http://www.webelements.com>
2. <http://www.chemicalelements.com>
3. <http://chemlab.pc.maricopa.edu/periodic/periodic.html>
4. <http://www.chemicool.com>
5. <http://www.uky.edu/Projects/Chemcomics>
6. <http://environmentalchemistry.com/yogi/periodic>

Fill in the information below to help you find facts to determine a theme for your art. Remember the project should have a clear purpose to illustrate the element to the viewer.

1. Element Name: _____
Element Symbol: _____ Atomic Number: _____
2. Atomic Weight: _____
3. Number of Protons: _____ Neutrons: _____ Electrons: _____
4. Number of Isotopes: _____ What are they? _____

5. Size of Atomic Radius: _____
6. Group Number: _____ Period Number: _____
7. Group Name: _____
8. Standard State of Matter: _____
9. Color, Smell, etc.: _____
10. Boiling Point: _____ Melting Point: _____
11. Discovered By: _____ Year: _____
12. Discovered where: _____

13. Origin of Name: _____

14. One physical characteristic of your element: _____

15. One chemical characteristic of your element: _____

16. One use of your element in society: _____

17. Draw a picture of the Lewis Dot Diagram for your element.

18. Draw a picture of the Bohr Model of the atom for your element. Show the placement of the electrons within the shells of the electron cloud.

19. Draw a picture of the crystal structure of your element.