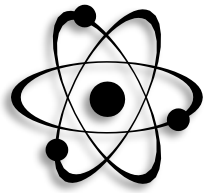
Name: _____ **Hour:** _____

ELEMENT PROJECT



You will be given an element from the periodic table that you will research extensively. You will create a total of three products and present your researched information. You will have some time in class to complete the project. Whatever you don't finish in class you will need to finish at home. The model will need to be made entirely at home.

My element is _____.

You will create:

1. **Google Slides Presentation or Poster** (choose one)
2. **Creative Story** or **Comic strip** (choose one)
3. **Model** (be creative and don't spend a lot of money)

1. Google Slides Presentation *or* Poster (20 pts.)

I am creating a _____.

1. Include Element name as a title (also include your name and hour) **(1 pt.)**
2. Include a picture of the element in its raw form **(1 pt.)**
3. Include at least 3 other pictures of the element **(2 pts.)**
4. Include all research information in presentation **(10 pts.)**
   - -use bullets not paragraphs
5. Include at least 3 sources (on last slide for a presentation; list somewhere on the poster) **(3 pts.)**
   - -do not use Wikipedia as a source
   - -do not list Google as a source – it is a search engine!
6. No errors in spelling and grammar **(2 pts.)**
7. Shows detailed research; visual presentation is creative & interesting; hard work and effort is evident **(2 pts.)**

2. Creative Story *or* Comic Strip (10 pts.)

I am creating a _____.

Creative Story Requirements:

1. Include researched facts/information in a creative story about your element **(6 pts.)**
2. Must be a least 1 page typed, double spaced, Times New Romans font (or similar), 12 point font, 1 inch margins **(2 pts.)**
3. No spelling and grammatical errors **(1 pt.)**
4. Shows creativity and effort **(1 pt.)**

Comic Strip Requirements:

1. Include researched facts/information of your element in a creative comic strip story with pictures **(6 pts.)**
2. Must have at least 4 frames **(1 pt.)**
3. Pictures must be colored **(1 pt.)**
4. Include dialogue in each frame **(1 pt.)**
5. Shows creativity and effort **(1 pts.)**

3. Model (10 pts.)

Requirements:

1. Includes accurate number of protons, neutrons, and electrons in a 3-dimensional model with a defined nucleus **(6 pts.)**
   -Each particle (protons, neutrons, electrons) should all be a different color, size or shape in order to distinguish the difference
3. Include an index card with the element name, atomic number, number of protons, neutrons, and electrons in the model. Include your name on the index card. **(2 pts.)**
4. Shows hard work and effort **(2 pts.)**

Total Points: 40 points

SCHEDULE

Work Day 1	**Research**
Work Day 2	**Research/Work on Project**
Work Day 3	**Research/Work on Project**
Monday, Dec. 14	**PROJECT DUE!!! Presentations in class**
Tuesday, Dec. 15	**Vote on models in the lab**

Name_____ Hour_____

RESEARCH INFORMATION

Element: _____

1. Atomic details of the element (# of protons, neutrons, electrons, atomic mass, chemical symbol)

_____

_____

2. Who discovered it? When it was discovered? How was it discovered?

_____

_____

_____

_____

_____

_____

3. How did the name of the element come to be? How did the element get its chemical symbol? (ex: Hg for Mercury):

_____

_____

_____

4. Four ways the element is used: (if your element is only found in compounds, write the name four compounds and how the compound it used)

_____

_____

_____

_____

5. Where is the element found on Earth or in the universe? (Write down as many as you can find):

_____

_____

6. State of matter at room temperature: _____

7. Is your element a metal, nonmetal, or metalloid? _____

8. Name five properties of the element: (physical or chemical properties)

_____

_____

_____

_____

9. List the dangers of the element (if applicable):

_____

_____

_____

10. Two compounds the element is found in: (include the full names of the compounds and what it is used for)

_____

_____

11. At least ***two*** other interesting facts: (*must be interesting!*)

_____

_____

_____

_____

Sources: (Google is not a SOURCE; it is a search engine. Copy down the address or the name of the site.)

_____

_____

_____

_____

_____