

Element Superhero Project

Assignment:

1. Choose one element from the periodic table and research its physical and chemical properties, its most common compounds, useful ways the element is used, origin, number of each subatomic particle, isotopes of that element, etc. (The information sheet provided will guide you more)
2. Create a super hero that represents that element and its unique qualities
3. Design a comic depicting your superhero and name. Create an illustration of your superhero complete with its costume. You must explain what the special abilities of your superhero are and how they are related to the properties of the element you researched. Be Creative!!

Here are some helpful websites for research:

www.chemicool.com

www.webelements.com

www.chemicalelements.com

www.periodictable.com

www.ptable.com

Your element project must include the following information:

Title: a creative name for your superhero **(5 points)**

Description of element superhero: (2 paragraphs): This section should include a brief description of how your superhero acquired, used or live with their element power. You may want to describe where your superhero element lives. What are his/her superpowers? Does your superhero have a hide out? What are his/her strengths and weaknesses? Who is his/her arch nemesis? What kind of super suit does your superhero have? **(20 points)**

5 facts: This section should include at least 5 fun facts about your element. You can choose to describe facts that illustrate where your element is found in nature. You may also wish to describe what your element is used for. You may talk about characteristics or important uses. They must NOT be repeated from your worksheet. **(15 points)**

Drawing of your element superhero: this section should include a drawing (in color!) of your superhero. Note: your superhero should have characteristics that represent his or her element. For example: if Sulfur is your element your superhero may have yellow skin or costume. **(15 points)**

Comic Strip: In addition to the drawing above you need to create at least a 4 cell comic that shows your superhero in action using some form of its elemental properties/powers. **(20 points)**

Completed worksheet: The attached worksheet must be completed and attached to your project. It will be the last page in your hero packet **(20 points)**

MLA Citation: all research must be cited using MLA format. **(5 points)**

Name _____ Date _____ Block _____

Element Hero Research:

Note: if your element is a gas at room temperature, there will be some physical properties that do not apply; you may skip those.

A. General Information

Name _____ Symbol _____

Group _____ Period _____ Chemical Family (if any) _____

Protons _____ Electrons _____ Neutrons _____

Metal/Metalloid/Nonmetal _____

B. Physical Properties

1. State at room temperature _____

2. Color: _____

3. Luster _____

4. Malleable? _____

5. Ductile? _____

6. Density _____

7. Conductor of heat/electricity? _____

8. Melting point _____

9. Boiling point _____

10. Other(ex: flame test color) _____

C. Uses of the element or its compounds.

1. _____

2. _____

3. _____

4. _____

5. _____

D. Characteristics and superpowers of your superhero?

1. _____

2. _____

3. _____

4. _____

5. _____