

ELEMENT SUPERHERO or VILLAIN PROJECT

Ms. Cardinal
7th Grade Science



My Element is:

For this project, you will create a superhero or villain element character. Your super hero or villain will have characteristics and an appearance associated with a chosen element. For this project you will need to research the elements in the Periodic Table.

DUE: End of Class on December _____

YOUR ELEMENT SUPERHERO PROJECT MUST INCLUDE THE FOLLOWING SECTIONS:

- TITLE 5 pts:** Creative name of superhero.
- DESCRIPTION OF ELEMENT SUPERHERO (2 PARAGRAPHS) 15pts:**
This section should include a brief **description** of how your superhero acquired, used, or lived with their element power. You may want to describe where does your superhero element live (Where in nature can it be found). What are his/her superpowers? Does your superhero element have a hideout? What are his/her strengths? What is his/her weakness? Who is his/her arch nemesis (evil super villain)? What kind of super suit does your superhero have?
- 5 FACTS 15pts:**
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 used for. You may write about the important uses of your element. For example, can your element be made into something useful or can your element combine with other elements to make something totally different.
- ATOMIC DRAWING 5pts**
Include the atomic structure of your element with **correct labeling** of its protons neutrons, electrons. Make sure your drawing has the **correct number of protons, neutrons, electrons.**
- DRAWING OF YOUR ELEMENT SUPERHERO 10pts**
This section should include a **drawing (in color)** of your Element Superhero on a clean sheet of WHITE paper. Or you can use Comic Life and [Hero Machine3](http://www.heromachine.com/heromachine-3-lab/) . This website will allow you to customize your character with unique characteristics and powers derived from your element.
Link= <http://www.heromachine.com/heromachine-3-lab/>
You may want to draw your Element Superhero fighting his nemesis (super villain). Or you may want to draw your Element Superhero using his special powers.

Also, make sure that your drawing corresponds to the characteristics of your super hero. Example: If sulfur is your chosen element, the superhero's uniform or hair or skin, etc. must be yellow since sulfur has a characteristic yellow color. If your element has a high melting point, you might say that your super hero can move through fire to save others. If your element is a gas, you might say that your villain can sneak through a crack into a room. If your element explosively reacts with water, you might say that your super hero uses water to create explosions to stop his/her enemies.

EXTRA CREDIT

Create a **SIDEKICK** (partner) for your Element Superhero. The sidekick should be another element that your original element frequently forms compounds with. **EXAMPLE:** If your Element Superhero is Captain Chlorine, a good sidekick would be Sodium Man!! *[Because Sodium (Na) frequently combines with Chlorine (Cl) to form NaCl.]*

To receive the **EXTRA CREDIT** you must include both a **DRAWING** and a **ONE PARAGRAPH** description of your sidekick. See "DESCRIPTION OF ELEMENT SUPERHERO" on page 1 for guidelines.

Use the following websites to find out qualities (both physical and chemical) about the element you chose.

<http://www.chemicool.com/>

<http://www.chemicalelements.com/>

<http://www.webelements.com/>

<http://www.lenntech.com/periodic-chart.htm>

<http://www.uky.edu/Projects/Chemcomics/>

** has pictures if you need inspiration

Get a parent signature to earn extra credit on your project! (5 pts)

Parent Signature: _____ Date: _____

ATTACH THIS TO YOUR PROJECT

MY ELEMENT DATA SHEET

The element is _____ (element name).

The chemical symbol is _____ (abbreviation).

The atomic number is _____.

The element has _____ protons, _____ neutrons, and _____ electrons in its atomic structure.

The element is a _____ (METAL, NONMETAL, METALLOID, INERT GAS)

5 facts about the element: (Cool facts- exciting facts - not boring.)

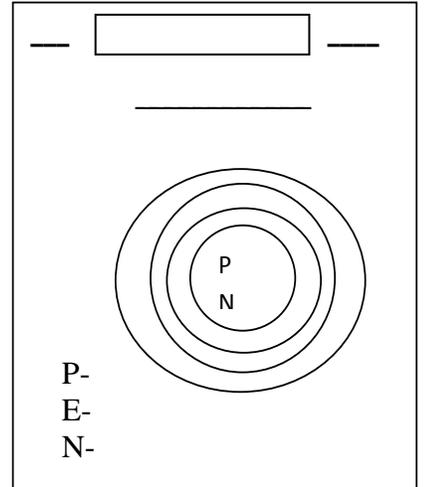
1) _____

2) _____

3) _____

4) _____

5) _____



****ATTACH THIS TO YOUR PROJECT****

ABOUT THE ELEMENT SUPERHERO:

Element Superhero name is _____(Example: Superman).

His/her birth name is _____(Example: Clark Kent).

How was your element discovered? (By who? Where? How?)	Use the facts to the left to create a story about- How did he/she get his/her super power?
What are the properties of your element?	Based on the properties of your element create powers does your Element Superhero have and why.
What is the "enemy" of your element? What causes it to react or disappear?	Use the facts now to create an enemy. Please tell me why this is your enemy.
What does your element look like?	Based on what your element looks like what kind of super suit does your Element Superhero have? Explain the reasons why you decided to use this type of suit.

MY SUPERHERO: _____

By: _____ **Hour:** _____

Five Facts About

_____ :

Drawing of Super Hero

Description of Super Hero
(2 paragraphs)

Atomic Drawing