

ELEMENT SUPERHERO PROJECT

7th Grade Science



For this project, you will create an element superhero. Your superhero 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: Wednesday October 12, 2016

YOUR ELEMENT SUPERHERO PROJECT MUST INCLUDE THE FOLLOWING SECTIONS:

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TITLE: Creative **name** of superhero.

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DESCRIPTION OF ELEMENT SUPERHERO (2 PARAGRAPHS):

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?

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MY ELEMENT DATA SHEET:

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 address what are characteristics of your element or what are 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.) Do not forget to cite your sources!

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ABOUT THE ELEMENT SUPERHERO:

Include information about your element superhero as instructed by filling out the attached paper.



DRAWING OF YOUR ELEMENT SUPERHERO

This section should include a **drawing** (in color) of your Element Superhero on a clean sheet of WHITE paper. 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.

PROPER FORMAT

- I will **ONLY** accept a **NEATLY** handwritten project.
- It must be on CLEAN, UNWRINKLED piece of notebook paper W/ CLEAN EDGES!!!!

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://pearl1.lanl.gov/periodic/>

<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

<http://library.thinkquest.org/12909/main2.html>

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:

1) _____

2) _____

3) _____

4) _____

5) _____

Write down any websites or books that you used for information here. You still need to put down sites even if you put the information in your own words ☺

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

ABOUT THE ELEMENT SUPERHERO:

Element Superhero name is _____(Example: Superman).

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

How did he/she get his/her super power?

What kind of powers does your Element Superhero have and why? **(use the properties of the element)**

Who is your Superhero's enemy?

Explain why this is your Superhero's enemy?

What kind of super suit does your Element Superhero have? Explain the reasons why you decided to use this type of suit.