

Element Superheroes

For this project, you are to work with your lab partner and do the following:

1) Choose one element – it can be any element you wish! However, you and your partner cannot have the same element as another group in class. **Be careful when choosing your element – sometimes it's easier if you choose a more common element rather than one that was just discovered since you will be able to find more information about the common element (ex: Magnesium vs. Mendelevium)

2) Use the following websites to find out qualities (both physical and chemical) about the element you chose. Note: you are not limited to these websites, they are provided to help guide you.

<https://www.fishersci.com/us/en/periodic-table.html>

<https://www.rsc.org/periodic-table>

<https://elements.wlonk.com/ElementsTable.htm>

<https://www.ptable.com/>

<https://inl.gov/periodic-table/>

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

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

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

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

** has pictures if you need inspiration

<https://www.scientificamerican.com/article/chemistry-the-elements-revealed-interactive-periodic-table/>

3) Design a superhero around using at least 7 physical and chemical qualities of the element. You must draw AND COLOR your superhero, as well as write a short story (1 page in length) that illustrates his/her super-strengths and super-qualities. Examples: If an element has a very high melting point, you may want to include that your superhero can walk through fires to save people. Fluorine can attack glass – it can be the only superhero that can “magically” make glass disappear.

Also, make sure that your drawing corresponds to the qualities of your superhero. 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.

Presentation, neatness and creativity count! Don't forget to *have fun!!*