

### Element Comparison Task



You are a chemist trying to inform your peers that although certain elements may have differences they also have similarities. Conduct research to compile facts needed to design a text that compares two elements using non-fiction text features to emphasize your findings. Analyze different presentation methods in order to determine the most appropriate method to present this information to your peers.

Note: *compare* means to examine in order to identify the similarities and differences.

1. Choose two elements to compare using the “rareness list” or periodic table of elements.
2. Research using at least \_\_\_\_\_ sources to compile a list of facts about each element
3. Write an informational essay using non-fiction text features to compare the two elements.
4. Present the information to an audience of your peers.
5. Listen to peer presentations to obtain information and provide feedback.

#### Common Core Learning Standards

<p style="text-align: center;"><b>Research/ Reading</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> conduct a research project to answer a question by gathering relevant information from multiple sources</li> <li><input type="checkbox"/> read and comprehend nonfiction text</li> <li><input type="checkbox"/> determine central idea of a text</li> <li><input type="checkbox"/> analyze the structure an author uses to organize text</li> <li><input type="checkbox"/> determine the meaning of words and phrases that are used in a text</li> <li><input type="checkbox"/> cite textual evidence by quoting and paraphrase the information while avoiding plagiarism</li> <li><input type="checkbox"/> follow a standard format to cite information</li> </ul>	<p style="text-align: center;"><b>Writing</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> organize your writing</li> <li><input type="checkbox"/> introduce the topic clearly providing an overview that previews information to follow</li> <li><input type="checkbox"/> develop topics with relevant facts</li> <li><input type="checkbox"/> provide a concluding statement</li> <li><input type="checkbox"/> use transitions to create cohesion</li> <li><input type="checkbox"/> correctly use domain specific vocabulary</li> <li><input type="checkbox"/> use strategies such as definition, classification, and comparison/ contrast</li> <li><input type="checkbox"/> include formatting, graphics and multimedia to aid comprehension</li> <li><input type="checkbox"/> maintain a formal style</li> </ul>
<p style="text-align: center;"><b>Speaking</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> present findings to an audience in an organized manner</li> <li><input type="checkbox"/> emphasize salient points</li> <li><input type="checkbox"/> use appropriate eye contact, adequate volume, and clear punctuation</li> <li><input type="checkbox"/> use multimedia and visual displays to clarify meaning and emphasize points</li> <li><input type="checkbox"/> adapt speech to a task to demonstrate command of the English language.</li> </ul>	<p style="text-align: center;"><b>Listening</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> determine a speaker’s main idea/ claim</li> <li><input type="checkbox"/> analyze main idea presented in diverse media and formats</li> <li><input type="checkbox"/> analyze supporting details</li> <li><input type="checkbox"/> evaluate the relevance and sufficiency of evidence</li> <li><input type="checkbox"/> explain how ideas clarify topic</li> <li><input type="checkbox"/> identify how formatting, graphics and multimedia aid in comprehension</li> </ul>