

# "My Favorite Element" Project

## Your Task

1. Research an element of your choice from #1-86 on the periodic table.
2. Document your sources in APA format -including the images-using NOODLE TOOLS. You need both a Reference list and in-text citations.
3. Create a physical poster or a powerpoint to share with your class.
  - Name, symbol, element family, atomic #, atomic mass
  - When was it discovered and by whom?
  - What does your element look like in its natural state?
  - Is it rare or common?
  - What important compounds is it found in?
  - Where is your element found globally?
  - What uses does your element have—domestic and industrial
  - Any positive or negative consequences to the environment from using this element?
4. You must include at least 2 pictures on your poster-cited in APA format using NOODLE TOOLS.

### Criterion D: Reflecting on the impacts of science

Achievement level	Level descriptor
0	The student does not reach a standard described by any of the descriptors below.
1-2	The student is able to: <ul style="list-style-type: none"> <li>• <b>state</b> the ways in which science is used to address a specific problem or issue</li> <li>• <b>state</b> the implications of the use of science to solve a specific problem or issue, interacting with a factor</li> <li>• <b>apply</b> scientific language to communicate understanding but does so <b>with limited success</b></li> <li>• <b>document sources, with limited success</b></li> </ul>
3-4	The student is able to: <ul style="list-style-type: none"> <li>• <b>outline</b> the ways in which science is used to address a specific problem or issue</li> <li>• <b>outline</b> the implications of using science to solve a specific problem or issue, interacting with a factor</li> <li>• <b>sometimes apply</b> scientific language to communicate understanding</li> <li>• <b>sometimes</b> document sources <b>correctly</b></li> </ul>
5-6	The student is able to: <ul style="list-style-type: none"> <li>• <b>summarize</b> the ways in which science is applied and used to address a specific problem or issue</li> <li>• <b>describe</b> the implications of using science and its application to solve a specific problem or issue, interacting with a factor</li> <li>• <b>usually apply</b> scientific language to communicate understanding <b>clearly and precisely</b></li> <li>• <b>usually</b> document sources <b>correctly</b></li> </ul>
7-8	The student is able to: <ul style="list-style-type: none"> <li>• <b>describe</b> the ways in which science is applied and used to address a specific problem or issue</li> <li>• <b>discuss and analyse</b> the implications of using science and its application to solve a specific problem or issue, interacting with a factor</li> <li>• <b>consistently apply</b> scientific language to communicate understanding <b>clearly and precisely</b></li> <li>• <b>document sources completely</b></li> </ul>

## Science 9 “My Favorite Element” Project – Citing your Sources

You need to cite your sources in two places whenever you conduct research.

1. In Science, include a **References List** in proper APA format that goes at the end of your project. This is a list of all of the sources that you have used in your project, including images.

### Example of a References List:

#### References

Beatty, R. (2001). *Copper*. New York: Benchmark Books.

Copper. (2000). In *World of Chemistry*. Retrieved from Science In Context database.

Zander, J. (2008, January 5). *Macro of native copper about 1 ½ inches (4 cm) in size*

[Photograph]. Retrieved from

[https://commons.wikimedia.org/wiki/File:Native\\_Copper\\_Macro\\_Digon3.jpg](https://commons.wikimedia.org/wiki/File:Native_Copper_Macro_Digon3.jpg)

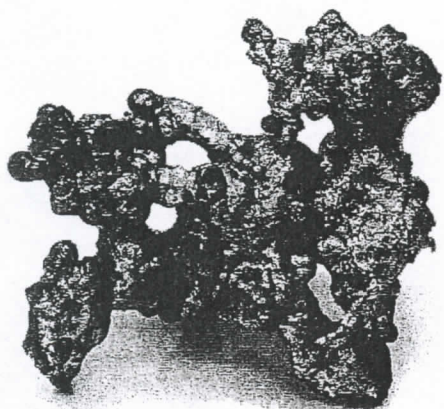
2. Include **In-text references** within the written content of your paper or slide presentation. **In-text Citations** give credit to the specific source that you used to find information. You do this after **paraphrasing** (when you take someone else’s ideas or words and put them into your own words) or using **quotations** (a quote is when you use someone’s exact words from a source).

### Example of in-text Citations:

Copper is a reddish brown, soft metal that is pliable ("Copper," 2000). Copper has many uses today. It is “an excellent conductor of electricity and heat so it is chosen to make flexible cables used in electrical wiring” (Beatty, 2001, p. 4).

Please use **NoodleTools** and the previous examples to help you achieve this.

You can also provide a caption that describes the image that you have used.



Macro of Native Copper about 1 ½ inches (4 cm) in size (Zander, 2008)

Recommended resources for this project found on the **Research Databases** page on the Carson Library Libguide.

1. Science in Context database
2. Encyclopedia Britannica
3. World Book Encyclopedia

### Citing Sources Checklist

Complete the following checklist before submitting your “My Favorite Element” Project:

- I have listed my sources in a properly formatted APA References list using Noodletools
- I have included in-text citations in my written work.