

IT'S ELEMENTARY

PowerPoint Assignment

The Problem:

You have been asked by the American Chemical Society to design PowerPoint presentation for distribution in local libraries. They have asked you to prepare a presentation about a particular element as assigned by your teacher. The presentation will be shown to local citizens and must be presented in such a way that the average reader would understand it. It must contain the following information on the appropriate slide as indicated.

- **Title Slide:** Must show a minimum of the element name and symbol. You will obtain more points for additional artwork, color etc.
- **Second Slide:** Must include historical information about the discovery of the element. Things such as the dates, names of scientist(s), meaning of name, other facts related to the history of the element will earn more points.
- **Third Slide:** Must list the important **physical and chemical** properties of the element. Both physical and chemical properties must be included.
- **Fourth Slide:** Must give the most important compounds and uses of the element and its compounds. Formulas for compounds should be included.
- **Fifth Slide:** Must indicate sources of the element. This would include the location on the earth where the element and/or its compounds are most abundant, and how the element is obtained from its sources (compounds.)
- **Last Slide:** Must include a bibliography of at least 2 sources. Use the standard format for books and articles. For information from the World Wide Web, give the URL for the site. Your name should go on the very center of the bottom of this slide.

Creativity: The presentation should be pleasing to the eye and should contain pictures, images or objects where appropriate. Do not allow the presentation to contain only text. Use of color and/or design will make the presentation more attractive, and increase its visual impact. You must use a minimum of 2 images downloaded from the www.

Neatness: The presentation should contain no spelling errors.

Other points to consider:

- For this power point assignment DO NOT use any videos. Also do not crowd your slides with too many graphics or too much color.
- Pay attention to font size. Those watching your presentation may not be able to read the information if the font size is too small.
- You can use the slide layout views and themes in Power point to give your presentation consistency and a professional look.
- Get started early! You will have some class time to do the research on your element, but you cannot hope to do an excellent job if you wait until the night before it is due to try to put it together. This project is worth 50 points.
- Project is due Friday September 12th. You will upload the project to the Mrs. Mason folder on the "L" drive in the folder for your class period. Save it under the **Element's name, not your name.**

INTERNET URLs to get you started:

<http://the-tech.mit.edu/chemical/elements/>

<http://www.chemsoc.org/viselements/>

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

<http://SCIENCENET.TPL.TORONTO.ON.CA/>

<http://wulff.mit.edu/pt/>

<http://www.shelf.ac.uk/chemistry/webelements>

<http://inference.com/infind> — New one!

<http://www.dist214.k12.il.us/users/asanders/PT.html>

Rubric for Element PowerPoint Presentation

Criteria	4	3	2	1
Title slide	Shows symbol, name, graphic, additional information	Shows name, symbol, additional information	Shows name and symbol only	Shows only name or symbol
Slide 2	Shows historical information, dates, names of discoverer, meaning of name, other facts	Shows historical information, dates, names of discoverer, meaning of name	Shows historical information, dates, names of discoverer	Shows minimum amount of information
Slide 3	Shows adequate number of both physical and chemical properties	Shows both physical and chemical properties but less than 4 of each.	Shows only chemical or only physical properties	Shows only chemical or physical properties and has many mis-identified
Slide 4	Shows listing of most important compounds, including uses and correct formulas	Shows listing of most important compounds, but lacks either uses or formulas	Shows listing of most important compounds only	Shows only one of the criteria
Slide 5	Shows sources of element, how it is obtained from its compounds, and location on the earth it is found	Shows only 2 of previous criteria	Shows only 1 of previous criteria	Shows none of the criteria
Slide 6	Shows standard format for bibliography, at least two sources, uses URLs for websites, has name on the bottom of slide	Shows less than the required number of sources, improper placement of name, uses URLs for websites, standard format.	Shows improper format for either books or websites.	Lacks proper bibliography, and number of sources.
Background	Pleasing, does not distract	Minor distractions	Distracts so one or two slides are hard to read	Very distracting
Text	Concise use of text, easy to read font	A little distracting to read	One or two slides are hard to read	Errors are very distracting
Spelling, Grammar, Punctuation	No errors	A few minor errors	Errors that are distracting	Hard to understand
Use of Color, animation and graphics	Color and 2 graphics are appropriate for presentation	Some graphics are not appropriate or only one is used.	Visual impact of slides is boring or distracting	Inappropriate use of graphics and animation
Format	Correct order for slides and titles on all slides	Correct order but titles are not on all slides	Order incorrect or titles missing	Order incorrect and titles missing

Following grading scale will be used:

A	40-44
B	35-39
C	31 -34
D	26-30