

**No picture of Cheryl**

**Instructor:** Cheryl Slawsky

**School District:** Hazlet

**Lesson Title:** Radioactive Element CD Insert Project

**Grades:** 6,7,8

**Subject:** Science

**Introduction:** In addition to music, compact discs have a paper insert which contains information about the artist, the music, and photographs that the artist thinks will add to the listening experience. By reading or looking at this material, you can get a better feel for the artist who recorded the compact disc, as well as, learning about where the album was made, who produced the album, who has the copyrights for the songs, etc.

**Overview:** For this project, you will be making a compact disc insert for a radioactive element. This insert should contain both written information about that element, as well as visuals which are eye-catching and informative.

**Activity:** How you do this is up to you, but one source needs to be two Internet sites that have been utilized. The following information should be contained within your insert:

1. the name of the element and chemical symbol
2. the atomic number and mass
3. a stable isotope(s) for the element
4. physical properties of this element (examples: color, hardness, etc.)
5. where the element is found
6. what the element is used for
7. something else that's interesting about this element
8. illustrations, diagrams, drawings

Be creative! In addition to the eight things above, your project will be graded on its creativity and neatness.

A hint: You might want to use a real compact disc insert when you do this project as a reference.

Date due: \_\_\_\_\_

By: Cheryl Slawsky

Hazlet Township

Resources:

- [www.theodoregray.com/periodictable/elements/radioactive/index.s7.html](http://www.theodoregray.com/periodictable/elements/radioactive/index.s7.html)
- [www.ndt-ed.org/educationresources/highschool/radiography/discoveryelements.htm](http://www.ndt-ed.org/educationresources/highschool/radiography/discoveryelements.htm)

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Name \_\_\_\_\_ Date \_\_\_\_\_

Grading Criteria for the Radioactive Element CD Cover

	Amount of points
1. Name of the radioactive element and symbol (10 pts.)	_____
2. Atomic number and mass (10 pts.)	_____
3. A stable isotope(s) for the element (10 pts.)	_____
4. Physical properties (10 pts.)	_____
5. Where the element is found (10 pts.)	_____
6. What the element is used for (10 pts.)	_____
7. Something else that's interesting (10 pts.)	_____
8. Illustrations, diagrams, or drawings (10 pts.)	_____
9. Creativity (10 pts.)	_____
10. Neatness (10 pts.)	_____
Total	_____