

Element Cereal Box Project

Objective: Apply knowledge of concepts learned in class and information collected from the internet and books to create an element box that highlights a specific element from the periodic table.

Things you should try to do:

- Make your box look as much like a real cereal box as you can.
- Use the computer to make your design look professional.
- **BE CREATIVE!**
- Come up with funny slogans, clever mascots, hilarious ad gimmicks.

Project Guidelines:

1. The **whole box** should be disguised with a covering so that the original package design/logos are completely covered.
2. The **front panel** should include your element symbol and name. Come up with a cereal name and slogan. Your cereal name slogan should relate to your element in some way. You may also come up with a mascot.
3. **Back and side panels:**
 - Include a periodic table square for your element complete with atomic number, chemical symbol, element name and atomic mass.
 - Determine the number of protons, neutrons and electrons in an atom of your element. Draw or print an atomic model of an atom of your element.
 - Include the element's group number and name.
 - Determine the valence electrons and reactivity of your element.
 - Create a list of compounds of your element.
 - Include a written description and color picture of what your element looks like. (color, state of matter, metal/nonmetal/metalloid, etc.)
 - Give historic information—The Who, What, Where, When, and How?
 1. Who discovered the element?
 2. What are its uses?
 3. Where was it discovered?
 4. When was it discovered?
 5. How was it named?
 6. And any other interesting facts!
4. **Inside:**
 - “Free Prize Inside” gimmick where you include an object inside the box that represents your element.
 - Bibliography of sources used to complete this project.