

Periodic Table of Cereals

The Periodic Table is much more than a nice chart of the elements located in the universe. Mendeleev and other organizers of the table worked very hard to classify elements not only by the number of protons in each atom (atomic number) but also by reactivity, affinity for electrons, atomic radius, and physical properties.

Task - In this project, you will select and organize 25 different cereals and create your own periodic table. You may make classifications based on any criteria you choose (physical or chemical).

Purpose - To practice and implement different methods of classification similar to those used in creating the Periodic Table of Elements.

Procedure

1. Choose 5 cereals from List 1, List 2, etc. for a total of 25.

<u>List 1</u>	<u>List 2</u>	<u>List 3</u>	<u>List 4</u>	<u>List 5</u>
Cheerios, Total, Raisin Bran, Chex, Life, Granola, Honey Bunches of Oats, Kix, Rice Krispies, Special K, Raisin Nut Bran, Smart Start, Corn Flakes,	Lucky Charms, Trix, Fruity Pebbles, Golden Grahams, Cap'n Crunch, Cookie Crisp, Count Chocula, Waffle Crisp, Cinnamon Toast Crunch, Apple Jacks,	Honey Bunches of Oats with Peaches, Honey Nut Cheerios, Peanut Butter Crunch, Multi- grained Cheerios, Special K with Berries, Cocoa Pebbles, Corn Chex, Wheat Chex,	Honey Bunches of Oats with Strawberry, Strawberry Yogurt Cheerios, Frosted Cheerios, Frosted Mini Wheats, Raisin Bran Crunch, Strawberry Frosted Mini Wheats, Cap'n Crunch Berries	Cocoa Puffs, Froot Loops, Reese's Peanut Butter Puffs, Honey Smacks, Golden Crisps, Oh's, Grape Nuts, Quaker Oat Squares, Oatmeal Crisp, Crispix, Mini Wheats

2. Make a list of 4 properties that will allow you to differentiate subgroups from your list of 25 cereals.

3. Your table needs to organize all four of the properties you have chosen. Decide which of the properties will be in columns, rows, numeric, colors, etc.

- **If you work in a fifth property, you'll receive extra credit.**

4. Begin to research the properties you have selected for each of the cereals. The websites below may help you to determine the properties you want to include:

- www.lifecereal.com
- www.generalmills.com
- www.kelloggs.com
- www.kraftfoods.com

5. Make a rough draft of your table. Show the organization and how you will be displaying the information you are trying to communicate. Will you use pictures, or symbols? Will you use colors? How?

- If you make up symbols, be sure to include a key letting the reader know what they're looking at.

6. After you have it laid out, create the final product. This should be on construction paper or larger. Do **not** turn in a sheet of printer paper that is handwritten. Graphics should be printed, not drawn.

7. Include responses to the questions below with your final table:

- *What organization method did you decide to use with your table?*
- *What was one aspect of this project that was easy to solve?*
- *What was the hardest problem to solve?*
- *If another type of cereal were introduced (#26), would you be able to fit it into an appropriate spot in your table?*
- *What are some changes you could make to arrange your table a little more effectively?*