

Representative Groups Poster

To better understand the organization of the Periodic Table, you will be required to create a poster of the eight Representative Groups of the Periodic Table. This project is meant to be a visual representation of the Periodic Table Of Elements as opposed to symbols, letters, and numbers. This project is to be completed within two weeks. Grading will be based on quality, appearance, and accuracy. The following criteria must be fulfilled :

- 1. Create a title for the poster :** Representative Groups, The Periodic Table, A Visual Perspective, etc.
- 2. For each group, identify the following :**
 1. Label and categorize each representative group.
 2. Name each representative element in each group.
 3. Identify uses for each element (**excluding elements 113-118*).
 4. Identify the location (*processed*) of the element on Earth (**excluding elements 113-118*).
- 3. For each element, include a picture of one of the products produced by the element.**
(This is a visual poster more than an informational poster!!!)

Hints For Neatness :

- Organize the poster like the periodic table.
(*Do not add information for transition elements - but include them to a lesser extent*)
- Type each element name & symbol in each element box.
- Type out ALL information.
- Use color pictures or add color to your poster (*accent borders, glitter, etc.*)

Representative Groups

Alkali Metals (Group 1A)

- (*INCLUDE HYDROGEN*), Lithium, Sodium, Potassium, Rubidium, Cesium, Francium

Alkaline Metals (Group 2A)

- Beryllium, Magnesium, Calcium, Strontium, Barium, Radium

Boron Family (Group 3A)

- Boron, Aluminum, Gallium, Indium, Thallium, Nihonium*

Carbon Family (Group 4A)

- Carbon, Silicon, Germanium, Tin, Lead, Flerovium*

Nitrogen Family (Group 5A)

- Nitrogen, Phosphorus, Arsenic, Antimony, Bismuth, Moscovium*

Oxygen Family (Group 6A)

- Oxygen, Sulfur, Selenium, Tellurium, Polonium, Livermorium*

Halogens (Group 7A)

- Fluorine, Chlorine, Bromine, Iodine, Astatine, Tennessine*

Noble Gases (Group 8A)

- Helium, Neon, Argon, Krypton, Xenon, Radon, Oganesson*

GRADING RUBRIC

M = Mastery

- Typed or Stenciled Title
 - All Groups Titles Present
 - All Content Present
 - All Pictures Present
 - Literature Cited Present
 - Accurate Identification
 - Orderly Display Of Info.
 - Color Accents Present
 - Detailed Appearance
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P = Proficient

- Typed or Stenciled Title
- All Group Titles Present
- 3-5 Content Missing
- 1 Picture Missing
- Literature Cited Missing
- Accurate Identification
- Orderly Display Of Info.
- Color Accents Present
- Detailed Appearance
- 1 Element Missing

E = Experienced

- Handwritten Title
 - All Group Titles Present
 - 5-7 Content Missing
 - 2-3 Pictures Missing
 - Literature Cited Missing
 - Inaccurate Information
 - Disorganized Display
 - Minimal Color Added
 - Messy Appearance
-

N = Novice

- No Title
 - Missing Group Titles
 - 8+ Content Missing
 - 4+ Pictures Missing
 - Literature Cited Missing
 - Inaccurate Information
 - Disorganized Display
 - Plain Background Only
 - Messy Appearance
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