

# Adopt an Element Handout

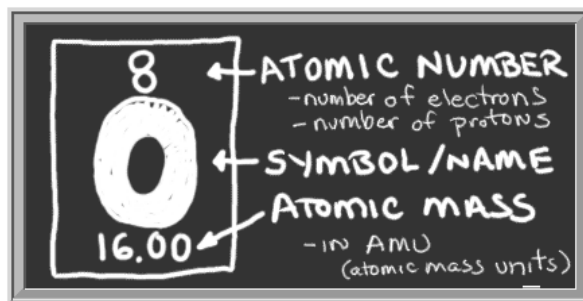
## 1) Complete an information sheet on your element.

You may use a variety of related websites that will be provided to you. Information sheets must be neat and contain all the information requested.

## 2) Create an advertisement for your element – 22 points

Advertisements must be on an 8 ½ x 11" sheet of computer paper, neat, colorful, and contain all of the following information:

- 1) Element name (1)
- 2) Element symbol (1)
- 3) Atomic number (1)
- 4) Atomic mass (1)
- 5) # of protons, neutrons & electrons (3)
- 6) Artwork relevant to the element (5)
  - **All artwork and decorations must communicate relevant information having to do with the element.**
  - **You may draw pictures, cut out magazine photos, download images from the Internet, or even attach physical items made of the element itself (or one of its compounds).**



- 7) Creative poem or slogan about the element and its compounds (7)
- 8) Name, Period and Date go on the BACK of the advertisement!

# Adopt an Element

Slogan Suggestions (7 points)

Name \_\_\_\_\_

Element \_\_\_\_\_

**Slogan:** A slogan is an advertising tag-line or phrase that advertisers create to visually express the importance and benefits of their product.

Things to remember while writing Slogan

1. **Identification.** A good slogan is consistent with your element's uniqueness, or its strength.
2. **Memorable.** Some of the best taglines or slogans are still being used today, even though they were launched several years ago.
3. **Beneficial.** Create a positive feeling.
4. **Keep it simple.** Use proven words and short keywords. One word is usually not enough.

## KEY FEATURES OF YOUR SLOGAN

1. Element Name
2. Key word about elements uniqueness/strength/usefulness
3. Your rationale for choosing the slogan.

---

---

---

---

---

## General Electric



## Du Pont



# Adopt an Element

Information Sheet – 14 points

Name \_\_\_\_\_

Element \_\_\_\_\_

<u>Chemical Symbol</u> (1)	<u>Atomic Number</u> (1)	<u>Atomic Mass</u> (1)
<u>Melting Point (Celsius)</u> (1)	<u>Density (g/cm<sup>3</sup>)</u> (1)	<u>Natural State</u> (1) (solid, liquid, or gas)
Origin of Name (1):		
Discovered by (1):		
Date (1):		

**Your element in nature:** Is your element found in its pure elemental form? If not, is there a specific compound it is usually obtained from? (2)

**Atomic Structure:** Draw or paste the atomic structure below for ONE ATOM of your element. This can easily be found on any of the recommended sites that is provided for you. (3)

**Adopt an Element: Common Uses – 15 points**

Look for common uses of your element. For each use find out about compounds involved, write down its chemical formula, chemical name, and common name (if it has one).

**Ex:** NaCl, sodium chloride, table salt, used as a preservative and as food flavoring

Food and Nutrition

Industrial Use

Environmental Impact

Medical Usage

Other

**Adopt an Element**

*Look on these websites for any other Information (Common uses, interesting facts, chemical reactivity, etc.)*

**– 9 points**

Web Elements	
Chemicool	
Los Alamos Periodic Table	
Visual Elements	
Lenntech Periodic Table	
It's Elemental Table	
Chem4Kids	
Chemical Comics	
MII Periodic Table	

## Adopt an Element: *Project Rubric*

PROJECT COMPONENT		Point value	SELF SCORE	TEACHER SCORE	COMMENTS
<b><i>INFORMATION SHEET</i></b>	Chemical symbol	1			
14 POINTS TOTAL	Atomic number	1			
	Atomic mass	1			
	Melting point	1			
	Density	1			
	Natural state	1			
	Origin of name	1			
	Discovered by	1			
	Date discovered	1			
	Element in nature	2			
	Atomic structure	3			
<b><i>COMMON COMPOUNDS</i></b>	#1	3			
15 POINTS TOTAL	#2	3			
	#3	3			
	#4	3			
	#5	3			
<b><i>OTHER INFORMATION</i></b>	Web Elements	1			
9 POINTS TOTAL	Chemicool	1			
	Los Alamos	1			
	Visual Elements	1			
	Lenntech	1			
	It's Elemental	1			
	Chemical Elements	1			
	Chemical Comics	1			
	MII Periodic Table	1			
<b><i>ADVERTISEMENT</i></b>	Element Name	1			
22 POINTS TOTAL	Element symbol	1			
	Atomic Number	1			
	Atomic Mass	1			
	# of p <sup>+</sup> , n <sup>0</sup> , e <sup>-</sup>	3			
	Relevant artwork	5			
	Poem, song, etc...	7			
	COLORFUL/NEAT	3			
<b><i>TOTAL POINTS</i></b>		60			

Student Self Grade: \_\_\_\_/60

Final Grade: \_\_\_\_/60

Explanation for Self-Grade: