

Adopt-an-Element Project

DUE: Tuesday, Dec. 15, 2015

My Element: _____

Directions: We will research elements in the media center for 2 days, then the rest of your project will be completed **AT HOME**. **There are 2 parts to your project:**

1. Element Fact Sheet (60%):

- Fill out the Element Fact Sheet.
- Must be typed or written in BLACK ink** (write NEATLY! If I can't read it, it's wrong!).
- Use **complete sentences** for the interesting info/facts!
- Make sure all basic information is filled out—watch # of electrons—we now know that the atoms aren't usually neutral (except for the Noble Gases)
- Bibliography:** You must have 4 sources—two from the internet, two book sources—make sure you use MLA format (see separate sheet) to cite these sources!
 - i. You may write all 4 sources on the sheet provided, or you may type them in proper MLA format.
 - i. **Internet sites to use:**
 1. <http://sciencespot.net/Pages/kidzone.html>
 2. www.chemicool.com
 3. chem4kids.com

2. Advertisement (40%):

- a. Create an advertisement for your element.
- b. It must include:
 - Element Name
 - Element Symbol
 - Atomic Number
 - Atomic Mass
 - At least 2 of your 5 interesting facts.
 - Cost
 - Advertising Slogan/Catch-phrase
 - At least 1 picture of your element
- b. Your advertisement must be neat and colorful! Advertisements are meant to grab attention!
- c. You must complete your advertisement on poster board. Creative materials are encouraged!

Adopt-An-Element

Grade sheet

Advertisement/Poster = 40 points (40%)

- **Provided basic information** + 20 _____
 - Atomic #
 - Atomic mass
 - Symbol and Name
 - Cost
 - 2 interesting facts
- **Slogan and pictures relevant** + 16 _____
- **Followed directions** + 4 _____
 - Neat, correct spelling/format, original, creative

Information Sheet = 60 points (60%)

- **Provided basic information** (2pts each)..... + 15 _____
 - Name (1pt)
 - Symbol
 - Atomic number
 - Atomic mass
 - Protons, electrons, neutrons
 - State of matter
- **Other information** + 25 _____
 - Cost (2pts)
 - Nonmetal/Metal/Metalloid (2pts)
 - Family (2pts)
 - Characteristics/Properties
 - Charge/Valence Electrons
 - Origin of Name (2pts)
 - Discovery and Date (2pts)
 - 2 Important Uses (2pts)
 - 2 Common Compounds (2pts)
 - Malleable/Ductile? (2pts)
 - 5 interesting facts (5pts)
- **References** + 10 _____

Minimum of 4; provided required information, correct MLA format
- **Miscellaneous** + 10 _____

Black ink or typed, complete sentences, correct spelling/grammar, neat, creative

Total Points = _____ out of 100 = _____ %

Adopt-An-Element -Fact Sheet

Name _____ Per. _____

Element: _____

Slogan: _____

Symbol: _____ Atomic Number: _____ Atomic Mass: _____

of protons: _____ # of Neutrons: _____ # of Electrons: _____

State of matter (solid, liquid, or gas): _____

Cost = _____ for _____

Classification: Nonmetal / Metal / Metalloid

My element belongs to the _____ family.

Characteristics/Properties of this family: _____

What charge does this element have when it forms an ion? _____ How many valence electrons does it have? _____

Origin of Name: _____

Discovered by _____ from _____

(country) in _____ (year).

Other Information:

1. List at least 2 important uses for this element.

a.

b.

2. List at least 2 common compounds that this element forms.

a.

b.

3. Is your element malleable, ductile, both, or neither? If neither, say why.

Interesting Facts:

1.

2.

3.

4.

