

Adopt-An-Element

Requirements:

1) Complete an Adopt An Element information sheet. (50% of grade)

You may use a variety of reference sources. Possible ideas are encyclopedias (book or CD Rom), science encyclopedias, science catalogs, magazines, and/or Internet sites*. Information sheets must be neat, written in black ink, and contain all the information requested. You also need to provide a list of your sources on the back of your information sheet. A minimum of three sources are required.

2) Create an advertisement for your element. (40% of grade)

The advertisement must include the element's name, symbol, atomic number, atomic mass, cost, and an advertising slogan that describes one or more of its important uses. Advertisements must be neat, colorful, and contain all the information listed above. You may add pictures that relate to your advertisement theme.

3) Create a model of your element. Show its protons, neutrons, electrons, and outer shells. (10% of grade)

Example:

Be sure to include:

- ✓ Element's symbol
- ✓ Element's name
- ✓ Atomic number
- ✓ Atomic mass
- ✓ Ad slogan
- ✓ Cost
- ✓ Your name

You may add pictures or drawings that illustrate the various uses for your element.

Your ad must follow the same format as this example!

The example advertisement is enclosed in a rectangular box. At the top left is the atomic number '33' and at the top right is the atomic mass '74.9'. In the center, the symbol 'As' is written in a large, bold font, with the name 'Arsenic' written below it in a slightly smaller font. Below the name is a slogan: 'Arsenic's a sure fire way to deal with a nasty rat, It works better than a mean old cat!'. Below the slogan is the cost: 'Cost = \$3.20 for 1 gram'. At the bottom right of the box is the name 'John Smith'. Arrows point from labels on the right to these elements: 'Atomic Mass' points to '74.9', 'Atomic Number' points to '33', 'Symbol & Name' points to 'As' and 'Arsenic', 'Slogan (This does not have to rhyme.) It must be an interesting fact.' points to the slogan, 'Cost' points to 'Cost = \$3.20 for 1 gram', and 'Name (Your name)' points to 'John Smith'.

A list of periodic table sites is available on

The Science Spot

<http://sciencespot.net/>

Go to **Kid Zone**, then choose **Chemistry Links**

DUE: _____