

# Adopt An Element

## Grade Sheet

Name \_\_\_\_\_

### Advertisement = 24 points (40%)

- **Provided basic information\*** ..... + **12** \_\_\_\_\_
  - Atomic #       Symbol       Cost
  - Atomic mass     Name       Student's Name
- **Slogan and pictures relevant** ..... + **10** \_\_\_\_\_
- **Followed directions** ..... + **2** \_\_\_\_\_  
Neat, correct spelling/format, original

### Information Sheet = 36 points (60%)

- **Provided basic information** ..... + **10** \_\_\_\_\_
  - Name               Symbol               Atomic #               Atomic Mass
  - Protons               Neutrons               Electrons               Melting Point
  - Boiling Point     Normal Phase
- **Other information** ..... + **11** \_\_\_\_\_
  - Cost
  - Nonmetal/Metal/Metalloid
  
  - Origin of Name
  - Discovery & Date
  - Interesting Information/Uses
- **References** ..... + **9** \_\_\_\_\_  
Minimum of 3; provided required information; correct format
- **Miscellaneous** ..... + **6** \_\_\_\_\_  
Black ink, complete sentences, correct spelling, neat

**Total Points = \_\_\_\_\_ out of 60 = \_\_\_\_\_%**

**A    B    C    D    F**

# Adopt-An-Element

## Requirements:

### 1) Complete an Adopt An Element information sheet. (60% 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.

## 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 element symbol 'As' is written in a large, bold font, with the element 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!'. At the bottom left, the cost is listed as 'Cost = \$3.20 for 1 gram'. At the bottom right, the name 'John Smith' is written. Arrows from labels on the right point to each of these elements: 'Atomic Mass' points to '74.9', 'Atomic Number' points to '33', 'Symbol & Name' points to 'As' and 'Arsenic', 'Slogan' points to the slogan text, 'Cost' points to 'Cost = \$3.20 for 1 gram', and 'Name' points to 'John Smith'.

# Adopt An Element

Name \_\_\_\_\_

## Fact Sheet

Element \_\_\_\_\_

Symbol	Atomic Number	Atomic Mass
_____	_____	_____
# of Protons	# of Neutrons	# of Electrons
_____	_____	_____
Melting Point	Boiling Point	Normal Phase
_____ °C	_____ °C	_____

Cost = \_\_\_\_\_ for \_\_\_\_\_

Classification:  Nonmetal  Metal  Metalloid

Origin of Name \_\_\_\_\_

Discovered by \_\_\_\_\_ in \_\_\_\_\_

Interesting Info: May include important uses, interesting facts, common compounds, etc.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

# Adopt-An-Element Project List

1	H		31	Ga	
2	He		32	Ge	
3	Li		33	As	
4	Be		34	Se	
5	B		35	Br	
6	C		36	Kr	
7	N		37	Rb	
8	O		38	Sr	
9	F		39	Y	
10	Ne		40	Zr	
11	Na		41	Nb	
12	Mg		42	Mo	
13	Al		43	Tc*	
14	Si		44	Ru	
15	P		45	Rh	
16	S		46	Pd	
17	Cl		47	Ag	
18	Ar		48	Cd	
19	K		49	In *	
20	Ca		50	Sn	
21	Sc		51	Sb	
22	Ti		52	Te	
23	V		53	I	
24	Cr		54	Xe	
25	Mn		55	Cs	
26	Fe		56	Ba	
27	Co				
28	Ni				
29	Cu				
30	Zn				