

1. You will an element that you are most interested in. The smallest atomic number for this project is 6. Your element's atomic # is _____. Your element is _____
2. You will create an atomic model of this element on a poster. You decide the layout and the materials you need. Be creative with materials (NO glitter please, but **glitter glue** is okay!) Supply your own materials if you need more than paper, glue and tape. Look at examples from previous students. **YOU MUST FORMAT TITLE, PICTURES, KEY, ATOMIC BOX**

★ The model must contain: (use a poster format)

3pts

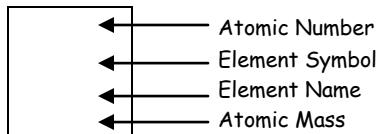
- a) A **TITLE** (3pts) (the name of the element)

Can NOT be just hand drawn - create a NEAT title

4pts

- b) A **LABELLED ATOMIC BOX** that includes: the atomic number, the atomic mass, the element symbol, and the element name.

Use **NEAT** arrows to label - **do not write in the box.**



POSTER DUE: _____

9pts

- c) The element's **ATOMIC STRUCTURE** that correctly illustrates the number of shells electrons (3pts), protons (3pts), and neutrons (3pts). **ALL ELECTRON SHELLS AND NUCLEUS MUST BE FORMATTED WITH DIFFERENT COLORS**

6pts

- d) A color coded **KEY** to represent protons, neutrons, and electrons.

- i. indicate **HOW MANY** of each (protons, neutrons and electrons) (3 pts each)
- ii. include the **CHARGE FOR EACH PARTICLE.** (3 pts each)

3pts

- e) **PICTURES:** You must include **three** different pictures that are of, or relate to, your element.

5pts

- f) Answers to the following questions in **complete sentences** for this element:

- i. Is you element a metal, nonmetal, semimetal, or inert gas?
- ii. Which **FAMILY** does your element belong to?
- iii. What is your element used for? (3 uses?)

10pts

You will be graded on: **FORMATTING: TITLE, PICTURES, KEY, ATOMIC BOX**

- Neatness: of final poster (writing should be neat, clear, straight, and in pen or typed).

NO PENCIL

40 pts TOTAL POINTS

This PAPER MUST BE turned in with your final poster.

You must complete the back of this paper with your complete rough draft, so that you know how to space all the information. Have your teacher initial it. Then you may start your final draft.

USE THE CONSTRUCTION PAPER SPARINGLY! RECYCLE AND REUSE