

## Element Report

Proof copy due November 29 in Mrs. Gailey's Class

Final Copy due with Model on December 2, 2011 in Mrs. Gipson's Class

Handwritten notes must be checked before your report is typed. They should ***not*** be in complete sentences

Report should be in Size 12 font, Double spaced, Portrait orientation

Two Pages not including cover page or Bibliography

Use 3 footnotes

Your paper should include as much of the following information as possible:

- Name of element
- Who discovered it and when?
- What kind of element is it? (stable, reactive, solid, gas, liquid, etc.)
- Identify its properties (General, Physical, and atomic: 2 of 3 or each group)
- Identify the group (Column) and family to which it belongs
- Identify its melting and boiling point
- Does it combine with other elements? If so, name some of them.
- Is it a conductor/insulator of heat or electricity?
- Is it a rare or common element? Why?
- How is the element used in our daily lives?
- Identify any other interesting facts that may enhance your paper (value, technological or medical usage, historical relevance, etc.)

### **Construction of 3-D Model of an Atom**

Materials:

- Wire strong enough to form into circles or preformed wire rings (circles)
- Nylon fishing line or strong thread
- Small Styrofoam balls, colored clay, beads, etc., to be used as protons, neutrons, and electrons.

Remember to have protons one color, neutrons another color, and electrons a different color.

Neutrons should alternate with protons as much as possible in the nucleus.

All atoms given will have at least two (2) electron shells or rings.

See your Periodical Table in the text book for the number of shells or rings and the number of protons, neutrons, and electrons per shell.