

Element Project Rubric

Name _____ Sci # _____

Element Name _____

Make sure your name is on everything and that *this worksheet is turned in with the project*.

The following is a rubric for your element research project. *Please refer to it often when completing your project.*

Project Format Choices:

- 1) Poster 2) Powerpoint/Google Slides 3) Any online presentation platforms

Periodic Table Block with Parts Labeled (1pt each):

- _____ element name
- _____ atomic number
- _____ atomic symbol
- _____ atomic mass

Atomic Structure (Drawing of the atom):

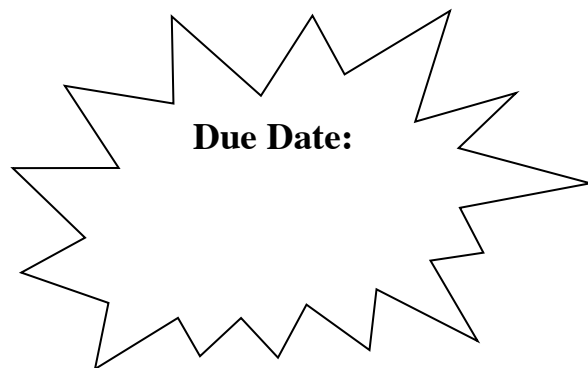
- _____ (3 pts) number of protons, number of neutrons, number of electrons

History and Current Characteristics:

- _____ (1 pt) the meaning of the element's name or symbol
- _____ (1 pts) **when** discovered/first produced
- _____ (1 pts) **who** discovered/who produced
- _____ (1 pts) where it can be currently found or how it is made
- _____ (3 pts) 3 physical descriptions: metal, non-metal, metalloid, color, texture, physical state (S, L, G) at room temperature
- _____ (5 pts) how it is used – AT LEAST 5 common uses
- _____ (1 pt) valence electrons (electrons in the outermost shell – available for bonding)
- _____ (1pt) a common bond it will make (For example Hydrogen commonly bonds with Oxygen to make water)
- _____ (1 pt) group/family name
- _____ (1 pt) period/row number
- _____ (3 pt) Pictures or drawings of element – visual aids to enhance project (at least 3)

Overall Organization:

- _____ (2 pts) Neatness/spelling and color/creativity
- _____ (2 pts) List of sources. For example, books, web sites, magazines, etc. (can be on a separate sheet or incorporated into an information sheet within your presentation). Must also cite sources for all images/pictures. Sources must be specific...Google images or Wikipedia.com are NOT specific sources. Copy and paste complete URL's and include the date when viewed.



Total / 30

Comments: