

NOVA Elements Website and Internet Investigation ES0501

Geology 1P and Earth Science

Mr. Traeger

Name: _____

Period: _____

Date: _____

Purpose

The purpose of this activity is to become familiar with basic atomic structure, the periodic table, and uses of elements.

Materials

- Computer with Internet Connection
- Pencil or pen
- Traeger's website

Procedure

1. Go to Traeger's Website at <http://home.lcusd.net/lchs/ttraeger/> or Google %Traeger 311.+Click on Geology. Then click on Internet Investigations. The links for this assignment will be found here.
2. Answer the Questions that follow.

Part 1: Internet Investigation ES0501: How Many Protons, Neutrons, and Electrons Are in Common Elements?

1. Complete the questions on the back of this handout using the first link under Internet Investigations.

Part 2: NOVA Elements

1. Click on link for NOVA Elements under the Internet Investigations page. Then click on %View.+You may be prompted to install Unity Web Player. If you are, please install it. When the animation loads, click on the circle that says %Explore the Interactive Periodic Table.+
2. Select at least 7 elements to research below **other than the ones you did for the Internet Investigation ES0501**. You must have at least two elements from each group (Alkali Metals, Transition Metals, and Non-Metals). To find out about an element, click on it on the interactive periodic table. Then click on %Build+to build the atom. Add or subtract particles to build the atom you want. Fill in the table below.

Name	Symbol	Atomic #	Atomic Wt.	Protons	Neutrons	Electrons	Summary of element and what it is used for

Conclusion: Tell me about at least three elements that you use in your life daily. What are the elements and what are they used for?