Name: _____
Block: _____

Element Project

Description:
Each student will be assigned an element on the periodic table. You will create a flip book containing information about your element.

Required Elements:

- Cover
  - Recreate the periodic square for your element
    - Include symbol, name, atomic number (on top) and atomic mass (on bottom)
- 1st Page
  - Basic information
    - Number of Protons
    - Number of Neutrons
    - Number of Electrons
    - Number of Valence Electrons
    - Draw a Bohr model for your element (or an electron dot diagram)
- 2nd Page
  - What type of substance is your element?
    - Example: Alkali metal, transition metal, noble gas
  - What phase of matter is your element in at room temperature – solid, liquid, gas
  - What is the melting/freezing point – in °C
  - What is the boiling/condensation point – in °C
  - When was your element discovered (if possible by who)
- 3rd Page
  - What uses does your element have?
- 4th Page
  - Interesting facts about your element (a minimum of 2)
    - Could include the origin of the name, characteristics of the element etc.

Resources:
www.chemicool.com
www.ptable.com
www.chemicalelements.com
http://ed.ted.com/periodic-videos (TED talks specific to the elements) – blocked at school
www.rsc.org/periodic-table (Podcasts about the different elements)

Name:

Block:

Number of Protons = _____

Number of Neutrons = _____

Number of Electrons = _____

Number of Valence Electrons = _____

Electron Dot Diagram

Interesting Facts about my Element

My element is a: _____

At room temperature
my element is a: _____

Melting/freezing Point: _____

Boiling/condensation Point: _____

My element was discovered in : _____
By: _____

Page 2

Uses of my element

Page 3

Name: Block:

Cover

Symbol_____
name_____
Atomic #____
Atomic mass____

Total 4

1st page

Number of protons_____
Number of electrons_____
Number of Valence Electrons____
Draw an e-dot diagram for your element____

Total 4

2nd page

What type of substance___
What phase of matter___
What is the freezing/ melting point____
What is the boiling/condensation point____
When was your element discovered____

Total 5

3rd Page

What uses does your element have (given a 3,2, or 1 for effort)

4th page

What interesting facts about your element (given a 3,2, or 1 for effort)

Total points you received for the project out of total points /19