

Name: _____ Per: _____ Date: _____

Research Checklist for your element:

Your Element:

Name of Element (follow naming pattern present in your group): _____

Symbol of Element(2-3 letters): _____

Element's Group: _____

Atomic Number: _____ Atomic Mass: _____

Full electron configuration: _____

Representative Element (pick one element from the same group that you would like to compare your element to: _____)

Representative Element's properties (list some of the this element's properties):

Periodic trends (fill in the following information to help you come up with your numbers):

What is the second to last element of the group that your element belongs to? _____

What is this element's ionization energy (include units)? _____ Electronegativity? _____

Boiling Point? _____

What is the last element of the group that your element belongs to? _____

What is this element's ionization energy (include units)? _____ Electronegativity? _____

Boiling Point? _____

What is your created element's ionization energy (include units)? _____ Electronegativity?

_____ Boiling Point? _____ (NOTE: your numbers should follow the trend that is present from those that you researched above.)

Compare your Element:

What properties present in your created element would be different from the representative element you picked above?

What would be similar?

Cite your Sources:

What sources did you use to find info (use at least three!)