

Name: _____

DIRECTIONS: Complete the following activity to extend your knowledge and practice of ionization energy.

Part 1: In the Ions Sandbox, ionize each atom listed below and record the information listed.

Atom Name	Atomic Number	Ion Formed	Energy Used
lithium			
beryllium			
boron			
sodium			
lithium			
magnesium			
aluminum			
potassium			
calcium			

Part 2: Using the information from Part 1, graph the atomic number vs. energy used on the next page.

Part 3: Write a summary of your graph below to describe the trend of ionization energy both across and down a periodic table, using the data to support your statement.

Atomic Number vs. Ionization Energy
