

Name: _____

Date: _____

Putting it all Together

IB Homework

Complete this for Rubidium-87, Carbon-14, Selenium-80, and Aluminum-28.

	Rubidium - 87	Beryllium - 10	Aluminum - 28	Carbon - 14	Phosphorus - 32	Selenium - 80	Iodine - 131
Atomic #							
Mass #							
Isotopic notation							
# Protons							
# Electrons							
# Neutrons							
Suggest a symbol for a possible isotope							
Period #							
Group #							
Electron Configuration							
# Energy levels							
# Valence electrons							
Bohr diagram including #p and #e in nucleus							
Lewis diagram							

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	Rubidium – 87	Beryllium - 10	Aluminum - 28	Carbon - 14	Phosphorus - 32	Selenium - 80	Iodine - 131
Classify as metal, nonmetal, metalloid							
Predict properties: a) Conductivity b) Luster c) crushing							
Lose e-, gain e-, or neither when reacting?							
Name a chemically similar element							
Will become like which noble gas?							
How many e- will be lost or gained?							
Electron Configuration of ion							
# Valence e- in ion							
#p and #e in ion							
Charge on ion							
Cation or Anion?							
Bohr diagram of ion after losing or gaining electrons (including #p and #e in nucleus)							
Lewis diagram of ion after losing or gaining electrons							