Monday, January 11, 2016

LT: I can describe the atom.

Entry Task: What is the difference between atomic mass and atomic number?

Today:
Finish Atomic Structure Notes
Phet Activity
Phet Activity-Build an Atom


1. What is the charge of a proton, neutron, and electron? Explain and give evidence of what you did to prove it.
2. What is the mass of a proton, neutron, and electron? As in #1, prove it.
3. How is the mass number determined? Prove it.
5. What causes an atom to be neutral, (+) charged ion, and (−) charged ion? Prove it.
6. Click on the Cloud. What is it trying to show you?
7. Look at the Symbol box. What do the numbers in it represent? Prove it.
EXIT TASK: How do isotopes differ?
Tuesday, January 12, 2016

LT: I can describe the atom.

Entry Task: What is an ion?

Today:
Finish Phet Activity
Atomic Structure Worksheet
EXIT TASK: What are valence electrons?
Wednesday, January 13, 2016

LT: I can describe the atom.

Entry Task: Which energy shell is filled with electrons first in an atom?

Today:
Stamp Phet Activity
Atom Model
EXIT TASK: If an atom is energized so that an electron jumps to a higher energy level, will the electron stay in that level indefinitely?
Thursday, January 14, 2016

LT: I can describe the atom.

Entry Task: What sub-atomic particles would you add or take away to create an isotope?

Today:
Atom Model
Element Video
EXIT TASK: What sub-atomic particles would you add or take away to create an ion?
Friday, January 15, 2016

LT: I can describe the atom.

Entry Task: How many valence electrons do H, Li and Na have? What is this column's group number? How many valence electrons do Be, Mg and Ca have? What is this column's group number?

Today:
Periodic Trends Assignment