

Atom Practice (Bohr Model)  
Assume ground state for all atoms

1. Draw an atom with an atomic mass of 15amu, an atomic number of seven, and a charge of -2. Which element is this?
2. Draw an oxygen atom with an atomic mass of 18amu and a charge of +1.
3. Draw a lithium (Li) atom with an atomic mass of 5amu and a neutral charge. What is the atomic number of lithium? Which other elements will have similar chemical properties to lithium? Explain.
4. Identify the element of an atom with a charge of -3, an atomic mass of 68amu, and 30 electrons. How many neutrons does this atom have?
5. How many neutrons are present in a calcium (Ca) atom with a charge of -2 and atomic mass of 41amu?
6. How many electrons are in an atom with an atomic mass of 137amu, 58 neutrons, and a charge of +3? Which element is this?
7. How many electrons are present in an atom of sulfur (S) with a charge of -2? How many protons?