

CHEMISTRY QUIZ REVIEW SHEET – IPS HONORS

- Anatomy of an atom: subatomic particles, where are they located, charges, relative masses
- Periodic trends: periods/electron shells, groups(families)/valence electrons, metals/nonmetals/metalloids, density, melting points, atomic radius
- How to interpret an element key: atomic #, # protons, atomic mass, mass #, # neutrons, # electrons, element symbol
- How are periods and groups different?
- Characteristics of metals, nonmetals, metalloids.
- Be able to draw Bohr models of elements in the first 3 periods.
- Know the three major forms of radiation: alpha, beta, and gamma particles. What are each of the particles, what are the dangers of each of the particles.
- Be able to predict the daughter element after alpha, beta, and gamma decay when given the parent element.
- What makes some elements radioactive? (strong force vs. repulsive force; lone neutrons)
- What is half-life?
-