

Chem Help ASAP – master list of general chemistry playlists

Updated on 04 May 2020

general – scientific notation and significant figures

<https://www.youtube.com/playlist?list=PLlzSRqjN72jeg9akOTIK8hANrgyGw8zsK>

scientific notation format, converting to/from scientific notation, identifying significant figures, rules for significant figures

general – limiting reagents

<https://www.youtube.com/playlist?list=PLlzSRqjN72je9vWnNNWPBcRMn2iok9RS>

limiting reagents with percent yield, ideal gas law, determining significant figures, solutions

general – naming ionic and covalent compounds and acids

<https://www.youtube.com/playlist?list=PLlzSRqjN72jcTc-E6YOW4fRbwwRWYpAox>

monoatomic ions, polyatomic ions, transition metal salts, binary acids, oxyacids, simple covalent compounds

general – history of the atom

<https://www.youtube.com/playlist?list=PLlzSRqjN72jcTc-E6YOW4fRbwwRWYpAox>

Democritus and John Dalton, subatomic particles, Planck and Bohr model, Schrodinger equation

general – protons, neutrons, and electrons

<https://www.youtube.com/playlist?list=PLlzSRqjN72jeUQucSP61lemQXfBr5mYHj>

counting protons, neutrons, and electrons, quantum numbers, orbital energy diagrams, electronic configuration

general – Lewis structures and bonding

<https://www.youtube.com/playlist?list=PLlzSRqjN72jfSh94t4gigcZRe17uagn1U>

Lewis structures, octet rule, ionic bonds, covalent bonds

general – Lewis structures, VESPR, and dipoles

<https://www.youtube.com/playlist?list=PLlzSRqjN72jf7IXAefU3o0y6In0VfhDyQ>

Lewis structures, octet rule and exceptions, VSEPR model, dipole moment, polarity

general – intermolecular forces

<https://www.youtube.com/playlist?list=PLlzSRqjN72jeTB2WA-Y3L5mxjoczAHHcE>

London dispersion, dipole-dipole, hydrogen bonding, ion-dipole

general – periodic table trends

https://www.youtube.com/playlist?list=PLIzSRqjN72jfWVEDLK_-hy7Bu6dOuboCg

group and block names, atomic radius, ionization energy, electron affinity, electronegativity

general – stoichiometry

<https://www.youtube.com/playlist?list=PLIzSRqjN72jdIKhs6GLiWNqVN4wb2WsSU>

balancing equations, mole-to-mole stoichiometry, significant figures, percent yield, density

general – moles

<https://www.youtube.com/playlist?list=PLIzSRqjN72jc7gl2tBsHjIZJjTmNmhUHT>

definition of a mole, Avogadro's number, molar mass, unit conversions

general – acids and bases

<https://www.youtube.com/playlist?list=PLIzSRqjN72jftdvEOb2uZNaN0kklhdUGo>

Arrhenius, Bronsted-Lowry, and Lewis acids, strong and weak acids, conjugate pairs, autoionization of water, equilibrium