

CHEMISTRY 11 OUTLINE

	- Intro WHMIS - Scientific Method
	Finish Scientific Method Sponge Bob.
	Classifying Matter Review ppt Matter review wks
	Sig figs Sc. Notation (do together overhead or document camera)
	Matter Quiz Metric Conv. Measurement and sigfig Metric Mania sheet
	Uncertainty Precision and accuracy ppt
	<i>Density Lab</i> How to write lab report calculations. Use data from density lab and do on board.
	Unit Conversion Multiple unit conversion worksheet
	Metric units matter Quiz Separating Mixtures - Chemical vs Physical change
	<i>Chromatography Lab</i> Ionic naming worksheets while they wait for chromatography Nomenclature Single ion and multivalent ions worksheet
	<i>Elements</i> <i>Demo observation</i> Teacher element power point example Nomenclature Poly atomic ions worksheet
	Elements in library power point project
	Student Power point presentations hydrates and acid naming

	<ul style="list-style-type: none"> - ionic vs covalent (notes on board) <p>Covalent Naming Aluminum 1940 production video <i>Lab data collection for density of aluminum</i></p>
	<p>Nomenclature and Separating Quiz</p> <ul style="list-style-type: none"> -Intro to the mole - Avogadro's hypothesis - Avogadro's number <p>Molar mass and formula mass wks</p>
	<p>mole calculations</p> <ul style="list-style-type: none"> - molar mass
	<p>Mole calculations</p> <ul style="list-style-type: none"> - double step calculations (molecules to grams)
	<p><i>Mole Lab (weigh random samples of elements and calculate the moles.)</i></p>
	<ul style="list-style-type: none"> - mole calculations - STP
	<p>Test Matter/Periodic Table/Naming/Mole</p>
	<ul style="list-style-type: none"> - Molarity
	<ul style="list-style-type: none"> - dilution calculations
	<p><i>Thickness of Aluminum foil Lab</i></p>
	<p>Quiz Moles Molarity STP</p>
	<ul style="list-style-type: none"> -percent composition - Empirical Formula
	<p><i>Lab Analysis of Copper(II) sulphate hydrate</i></p>
	<p>Molecular Formula</p>
	<p>Review on moles etc</p>

	Test Mole calculations Empirical and Molecular Formula Percent composition
	Balancing Reactions Types of Reactions
	<i>Malachite Lab predicting amount of product</i>
	- Endo vs Exothermic - Energy diagrams
	Net ionic equations - solubility and precipitates
	- Intro to stoichiometry, calculations involving balanced equations
	Quiz - balancing reactions - types of reactions - energy- net ionic equations Stoichiometry continued
	<i>Acid base titration lab</i>
	Titration
	Quiz On Stoich - Excess and limiting reactants
	-percent yeild
	<i>Magnesium and Hydrogen gas Percent yield lab</i>
	Stoich Review
	Test On Stoichiometry
	- Development of the atom - atomic structure
	calculating average atomic mass from isotopes - Mendeleev
	Trends of the periodic table
	Trends of the periodic table - predicting characteristics

	Lewis Structures
	Quiz On the atom Trends of the periodic table
	Structural formulas (VESRP)
	Polar vs nonpolar --Inter vs Intramolecular forces
	Inter vs Intramolecular forces -dipole -H-bonds -london forces
	Viscosity and vapour pressure Electron configuration
	Electron Configuration of Ions and the core method
	Quiz On Lewis structures and VESRP and polar vs nonpolar
	Quiz On electron Configuration conductivity
	-concentration of ions
	Review for Test
	Test on -periodic trend - Lewis - VESRP -Polarity
	Intro to organic chemistry

CHEMISTRY 11 OUTLINE

	-Alkanes and alkyls
	Alkyl Halides Cyclic alkanes Isomers of alkanes
	Alkenes Alkynes
	Geometry Alkenes (cis/trans) Alcohols
	Quiz On naming alkanes and alkyls
	Lab 23A
	Benzene Functional Groups
	Functional Groups
	Review
	Test On organic chemistry
	Gases combined gas law
	Gases $pV=nRt$
	Gas test
	Review for final exam