

Exam 1 Video Tutorials and Activities

Submit this Table of Contents (TOC) with your video tutorial lecture notes and completed activity packets at the beginning of lecture for exam 1. The materials need to be organized according to the TOC for FULL credit. Refer to the Video/Activity grading rubric. **Exam 1 is based on the following course materials.** It will be helpful to keep your course materials organized using this TOC.

_____	Introduction to Atomic Structure Lecture Notes (1 st day of class)
_____	Atoms & Elements Part 1 – Atomic Structure: Isotopes & the Nucleus (15:08) Video Tutorial Lecture Notes
_____	Atoms & Elements Part 1b – Atomic Structure & the Electrons (22:06) Video Tutorial Lecture Notes
_____	Atoms & elements Part 2 – Valence Electrons & the Octet Rule (11:05) Video Tutorial Lecture Notes
_____	Atomic Structure Activity
_____	Compounds Part 1: Ionic Cpds – Formula Units & Nomenclature (29:15) Video Tutorial Lecture Notes
_____	Ionic Compounds Activity
_____	Compounds Part 2: Lewis Structures & Molecular Cpds (31:32) Video Tutorial Lecture Notes
_____	Shapes and Interactions Part 1: Shapes of Molecules (29:15) Video Tutorial Lecture Notes
_____	Covalent Compounds and Lewis Structures Activity
_____	Measurement Part 1: Significant Figures (24:30) Video Tutorial Lecture Notes
_____	Measurement Part 2: Scientific Notation (20:10) Video Tutorial Lecture Notes
_____	Measurement Part 3: Converting Between Units (19:21) Video Tutorial Lecture Notes
_____	Measurement Part 4: Dosage Calculations (28:49) Video Tutorial Lecture Notes
_____	Matter & Measurement Activity from Lab
_____	Shapes & Interactions Part 2: Electronegativity and Molecular Polarity (25:30) Video Tutorial Lecture Notes
_____	Shapes & Interactions Part 3: Intermolecular Forces (IMFs) (23:13) Video Tutorial Lecture Notes
_____	Shapes & Interactions Part 4: IMFs and Solutions (23:19) Video Tutorial Lecture Notes
_____	Shapes, Polarity, and Intermolecular Forces (IMFs) Activity Video Tutorial Lecture Notes
_____	Compounds Part 3: The Mole (28:34) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 1: Solution Concentrations (9:24) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 2: mass/volume (10:22) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 3: %mass/volume (12:13) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 4: Molarity (20:14) Video Tutorial Lecture Notes
_____	The Mole and Solution Chemistry Activity
_____	Solutions & Membranes Part 5: Equivalents (14:18) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 6: Membranes, Osmosis, & Tonicity (27:05) Video Tutorial Lecture Notes
_____	Solutions & Membranes Part 7: Dilution Calculations (18:24) Video Tutorial Lecture Notes
_____	Solutions, Colloids, and Membranes Activity
_____	Solids, Liquids & Gases Part 1: Temperature (6:44) Video Tutorial Lecture Notes
_____	Solids, Liquids & Gases Part 2: Energy & Phase Changes (15 :07) Video Tutorial Lecture Notes
_____	Solids, Liquids & Gases Part 3: IMFs & Boiling Points (21 :43) Video Tutorial Lecture Notes
_____	Solids, Liquids & Gases Part 4: Pressure (7 :43) Video Tutorial Lecture Notes
_____	Solids, Liquids & Gases Part 5: Gas Laws (22 :47) Video Tutorial Lecture Notes
_____	Solids, Liquids, and Gases Activity