**HC2 Unit 2 Tentative Agenda** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nuclear Stability & Electron Configuration

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| --- | --- |
| **Date** | **Agenda** |
| Monday  9/16 | * Go over test. * Nuclear Stability Notes * HW:   + Prelab   + Begin Unit 2 MasteringChemistry   + Read Chapter 21 |
| Tuesday  9/17 | * Flame Test Lab |
| Wednesday  9/18 | * Finish Nuclear Stability Notes * Begin Electronic Structure Notes * Turn in Flame Test Lab Worksheet * HW   + Read Chapter 6   + Mastering through 11 |
| Thursday  9/19 | * Quiz Nuclear Stability * Spectroscopy Activity (Minilab) * Work on MasteringChemistry with remaining time. * HW   + Mastering through 21 |
| Friday  9/20 | * Finish Electronic Structure Notes (Work some calculation examples) * HW   + Mastering through 31 |
| Monday  9/23 | * Quiz Electronic Structure * Photoelectron Spectroscopy PES Activity (Minilab) * Work on MasteringChemistry with remaining time. * HW   + Mastering through 41 |
| Tuesday  9/24 | * Quiz PES * Paramagnetism Activity (Minilab) * Work on MasteringChemistry with remaining time. * HW   + Mastering through 51 |
| Wednesday  9/25 | * Quiz Paramagnetism * Finish Electronic Structure Notes. * HW   + Mastering through 61 |
| Thursday  9/26 | * Review/Practice for Unit Test * Unit 2 Mastering Chemistry Due 11:59PM |
| Friday  9/27 | * Unit Test |
| Monday  9/30 | * Go over test. |

| [**#**](https://session.masteringchemistry.com/myct/yui-dt0-href-ordinal) | [**ITEM TYPE**](https://session.masteringchemistry.com/myct/yui-dt0-href-itemType) | [**TITLEShow Descriptions**](https://session.masteringchemistry.com/myct/yui-dt0-href-title) | [**STUDENTS COMPLETE**](https://session.masteringchemistry.com/myct/yui-dt0-href-studentsCompleted) | **DIFFICULTY** | | **MEDIAN TIME** | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| [**This Course**](https://session.masteringchemistry.com/myct/yui-dt0-href-courseDifficulty) | [**System**](https://session.masteringchemistry.com/myct/yui-dt0-href-systemDifficulty) | [**This Course**](https://session.masteringchemistry.com/myct/yui-dt0-href-formattedCourseTime) | [**System**](https://session.masteringchemistry.com/myct/yui-dt0-href-formattedSystemTime) |
| 1 | Tutorial | [Heavy Element Formation](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464227) | 0 | -- | 1 | -- | 2m |
| 2 | Tutorial | [Nuclear Decay Equations](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464228) | 0 | -- | 1 | -- | 7m |
| 3 | Tutorial | [Balancing Nuclear Equations](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464229) | 0 | -- | 1 | -- | 1m |
| 4 | Tutorial | [Modes of Radioactive Decay](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464230) | 0 | -- | 1 | -- | 2m |
| 5 | Tutorial | [Animation—Separation of Alpha (α), Beta (β), and Gamma (γ) Rays](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464231) | 0 | -- | 1 | -- | 6m |
| 6 | Tutorial | [The Uranium Decay Series](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464232) | 0 | -- | 1 | -- | 4m |
| 7 | Tutorial | [Predicting Nuclear Stability](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464233) | 0 | -- | 3 | -- | 2m |
| 8 | Tutorial | [Identification and Characterization of Unstable and Stable Nuclei](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464234) | 0 | -- | 5 | -- | 12m |
| 9 | Tutorial | [Nuclear Transmutation](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464235) | 0 | -- | 1 | -- | 3m |
| 10 | Tutorial | [± Radioactive Decay Calculations](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464236) | 0 | -- | 2 | -- | 17m |
| 11 | Tutorial | [± Nuclear Decay Calculations](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464237) | 0 | -- | 2 | -- | 8m |
| 12 | End-of-Chapter | [Give It Some Thought: 21.6](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464238) | 0 | -- | 1 | -- | <1m |
| 13 | End-of-Chapter | [Go Figure 21.6](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464239) | 0 | -- | 2 | -- | 2m |
| 14 | End-of-Chapter | [Problem 21.32](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464240) | 0 | -- | 1 | -- | <1m |
| 15 | End-of-Chapter | [Problem 21.33](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464241) | 0 | -- | 4 | -- | 6m |
| 16 | End-of-Chapter | [Give It Some Thought: 21.7](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464242) | 0 | -- | 1 | -- | <1m |
| 17 | Tutorial | [± Energy Changes during Nuclear Reactions](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464243) | 0 | -- | 4 | -- | 22m |
| 18 | Tutorial | [± Electromagnetic Radiation](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464244) | 0 | -- | 3 | -- | 9m |
| 19 | Tutorial | [± Properties of Waves](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464245) | 0 | -- | 2 | -- | 14m |
| 20 | Tutorial | [The Photoelectric Effect](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464246) | 0 | -- | 3 | -- | 16m |
| 21 | Tutorial | [± Using Microwave Radiation to Heat Coffee](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464247) | 0 | -- | 4 | -- | 10m |
| 22 | Tutorial | [± Atomic Spectra](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464248) | 0 | -- | 2 | -- | 10m |
| 23 | Tutorial | [The Bohr Equation](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464249) | 0 | -- | 2 | -- | 13m |
| 24 | Tutorial | [± Emission Line Energy](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464250) | 0 | -- | 4 | -- | 13m |
| 25 | Tutorial | [± The Rydberg Equation](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464251) | 0 | -- | 3 | -- | 6m |
| 26 | Tutorial | [± The de Broglie Relation and the Wavelength of a Particle](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464252) | 0 | -- | 3 | -- | 10m |
| 27 | Tutorial | [± The Heisenberg Uncertainty Principle](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464253) | 0 | -- | 4 | -- | 15m |
| 28 | Tutorial | [Quantum Numbers](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464254) | 0 | -- | 4 | -- | 9m |
| 29 | Tutorial | [Schrödinger Equation and Wave Functions](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464255) | 0 | -- | 3 | -- | 10m |
| 30 | Tutorial | [Characteristics of an Atomic Orbital](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464256) | 0 | -- | 3 | -- | 11m |
| 31 | Tutorial | [Quantum Number Rules](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464257) | 0 | -- | 3 | -- | 6m |
| 32 | Tutorial | [Quantum Numbers and Electron Identification](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464258) | 0 | -- | 3 | -- | 4m |
| 33 | Tutorial | [Orbital Diagrams](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464259) | 0 | -- | 2 | -- | 9m |
| 34 | Tutorial | [Orbital-Filling Diagrams](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464260) | 0 | -- | 2 | -- | 9m |
| 35 | Tutorial | [Electron Configurations of Atoms](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464261) | 0 | -- | 2 | -- | 6m |
| 36 | Tutorial | [Electron Configurations of Atoms and Ions](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464262) | 0 | -- | 2 | -- | 6m |
| 37 | Tutorial | [Electron Configurations: Rules and Principles](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464263) | 0 | -- | 4 | -- | 8m |
| 38 | Tutorial | [± Zinc Emission Spectrum](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464264) | 0 | -- | 3 | -- | 11m |
| 39 | Tutorial | Relating Quantum Numbers and Electron Configurations to the Periodic | 0 | -- | 4 | -- | 20m |
| 40 | Tutorial | [Analysis of Metallic Oxides](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464266) | 0 | -- | 3 | -- | 16m |
| 41 | End-of-Chapter | [Problem 6.6](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464267) | 0 | -- | 2 | -- | 6m |
| 42 | End-of-Chapter | [Problem 6.11](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464268) | 0 | -- | 1 | -- | 1m |
| 43 | End-of-Chapter | [Problem 6.15](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464269) | 0 | -- | 2 | -- | 2m |
| 44 | End-of-Chapter | [Problem 6.28](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464270) | 0 | -- | 2 | -- | 7m |
| 45 | End-of-Chapter | [Problem 6.24](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464271) | 0 | -- | 2 | -- | 10m |
| 46 | Tutorial | [Interactive Activity—Bohr Model](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464272) | 0 | -- | 3 | -- | 14m |
| 47 | Tutorial | [Interactive Activity—Energy Levels of a Hydrogen Atom](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464273) | 0 | -- | 3 | -- | 14m |
| 48 | End-of-Chapter | [Problem 6.36](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464274) | 0 | -- | 1 | -- | 1m |
| 49 | End-of-Chapter | [Problem 6.41](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464275) | 0 | -- | 2 | -- | 5m |
| 50 | End-of-Chapter | [Problem 6.44](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464276) | 0 | -- | 3 | -- | 6m |
| 51 | End-of-Chapter | [Problem 6.56](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464277) | 0 | -- | 3 | -- | 4m |
| 52 | Tutorial | [Animation—Electron Configurations](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464278) | 0 | -- | 3 | -- | 16m |
| 53 | Reading Questions | [Chapter 6 Reading Quiz Question 8](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464279) | 0 | -- | 1 | -- | 1m |
| 54 | Reading Questions | [Chapter 6 Reading Quiz Question 9](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464280) | 0 | -- | 1 | -- | 1m |
| 55 | End-of-Chapter | [Give It Some Thought: 6.11](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464281) | 0 | -- | 1 | -- | <1m |
| 56 | End-of-Chapter | [Problem 6.10](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464282) | 0 | -- | 2 | -- | 6m |
| 57 | End-of-Chapter | [Problem 6.65](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464283) | 0 | -- | 1 | -- | 1m |
| 58 | End-of-Chapter | [Problem 6.68](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464284) | 0 | -- | 1 | -- | 4m |
| 59 | End-of-Chapter | [Problem 6.75](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464285) | 0 | -- | 2 | -- | 9m |
| 60 | End-of-Chapter | [Problem 6.77](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464286) | 0 | -- | 1 | -- | 3m |
| 61 | End-of-Chapter | [Problem 6.97](https://session.masteringchemistry.com/myct/itemView?showStatsForCourse=1155024&view=solution&showStats=1&assignmentProblemID=48464287) | 0 | -- | 2 | -- | 10m |
| **61 items (61.00 points)** | | | | **Average:** | **2.3** | **Total:** | **457m** |