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| **Day** | **Topic** | **Goal** |
| 1 | Syllabus, Safety, Scientific Notation, Metric Prefixes, Classifying Matter | 1.1.1 |
| 2 | Physical vs. Chemical Changes, States of Matter | 2.2.2 |
| 3 | Atomic Structure | 1.1.1 |
| 4 | Atomic Structure | 1.1.1, 1.1.2 |
| 5 | Periodic Table | 1.3.1 |
| 6 | Valence Electrons | 1.3.1 |
| 7 | Electron Configurations | 1.3.2 |
| 8 | Electron Configurations | 1.3.2 |
| 9 | Flex Day |  |
| 10 | Bohr Model | 1.1.2, 1.1.3 |
| 11 | Ions | 1.3.1-1.3.3 |
| 12 | Periodic Trends | 1.3.1-1.3.4 |
| 13 | Test Review |  |
| 14 | Benchmark Test 1 |  |
| 15 | Ionic Bonding | 1.2.5, 1.2.2 |
| 16 | Metallic Bonding, Covalent Bonding | 1.2.1 |
| 17 | Covalent Bonding | 1.2.5, 1.2.2, 1.2.1 |
| 18 | VSEPR Theory | 1.2.5 |
| 19 | VSEPR Theory | 1.2.5 |
| 20 | Polar Bonding | 1.2.5 |
| 21 | Intermolecular Forces | 1.2.3 |
| 22 | Naming Ionic Compounds | 1.2.4 |
| 23 | Naming Covalent Compounds & Acids | 1.2.4 |
| 24 | Nuclear Chemistry: Radioactivity | 1.1.4 |
| 25 | Nuclear Chemistry: Fission & Fusion | 1.1.5 |
| 26 | Nuclear Chemistry: Half-life (Conceptually) | 1.1.6 |
| 27 | Test Review |  |
| 28 | Benchmark Test 2 |  |
| 29 | Measuring Matter: Moles & Molar Mass | 2.2.4 |
| 30 | Mole Conversions: 1 Step | 2.2.4 |
| 31 | Mole Conversions: 2 Step | 2.2.4 |
| 32 | Reaction Types | 2.2.3 |
| 33 | Predicting Products: Special Cases | 2.2.3 |
| 34 | Predicting Products: Single Replacement & Activity Series | 2.2.3 |
| 35 | Predicting Products: Double Replacement | 2.2.3 |
| 36 | Net Ionic Equations & Solubility Table | 2.2.3 |
| 37 | Reaction Rates, Reaction Pathways | 2.2.1, 3.1.1 |
| 38 | Indicators of Chemical Change | 2.2.2 |
| 39 | Balancing Equations | 2.2.3 |
| 40 | Balancing Equations | 2.2.3 |
| 41 | Review |  |
| 42 | Benchmark Test 3 |  |
| 43 | Stoichiometry | 2.2.4 |
| 44 | Stoichiometry | 2.2.4 |
| 45 | Stoichiometry | 2.2.4 |
| 46 | Percent Composition | 2.2.5 |
| 47 | Applying Percents, Hydrates | 2.2.5 |
| 48 | Empirical Formulas | 2.2.5 |
| 49 | True Molecular Formulas | 2.2.5 |
| 50 | Lab: Qualitative Analysis of 5 Unknowns |  |
| 51 | Flex Day |  |
| 52 | Review/Practice |  |
| 53 | Heating Curves, Temp Conversions | 2.1.2, 2.1.1 |
| 54 | Thermochemistry: Specific Heat | 2.1.2, 2.1.1 |
| 55 | Heat of Fusion & Vaporization | 2.1.2 |
| 56 | Heating Curve, Conserv. of Energy Probs | 2.1.4 |
| 57 | Phase Diagrams | 2.1.3 |
| 58 | Test Review |  |
| 59 | Benchmark Test 4 |  |
| 60 | Solutions, Colligative Properties | 3.2.4, 3.2.6 |
| 61 | Molarity of Solutions | 3.2.3 |
| 62 | Dilutions | 3.2.3 |
| 63 | Solubility Curves | 3.2.5 |
| 64 | Gas Laws: Charles & Boyle | 2.1.5 |
| 65 | Gas Laws: Gay Lussac & Combined | 2.1.5 |
| 66 | Ideal Gas Laws, Partial Pressures | 2.1.5 |
| 67 | Partial Pressures, Vapor Pressure | 2.1.5, 2.1.1 |
| 68 | Finish Gas Laws | 2.1.5 |
| 69 | Test Review |  |
| 70 | Mini-Test: Benchmark 5 |  |
| 71 | Acids and Bases: Properties | 3.2.1, 3.2.2 |
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| 73 | Titrations | 3.2.1, 3.2.2 |
| 74 | Acid/Base Wrapup | 3.2.1, 3.2.2 |
| 75 | Chemical Equilibrium | 3.1.2 |
| 76 | Shifts in Equilibrium (Le Chatelier's Principle) | 3.1.3 |
| 77 | Shifts in Equilibrium (Le Chatelier's Principle) | 3.1.3 |
| 78 | Test Review |  |
| 79 | Benchmark Test 6 |  |
| 80 | Flex Day |  |
| 81 | Flex Day |  |
| 82 | Exam Review |  |
| 83 | Exam Review |  |
| 84 | Exam Review |  |
| 85 | Exam Review |  |
| 86 | Exam Review |  |
| 87 | Exams |  |
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