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| **Practice Test Packet Broken Up by Chapter Semester 1 Exam, Semester 2 Exam, Supplemental Practice Exam** | | |
| * Strikethrough means it was not covered in this course. These documents were too hard to try and edit so we couldn’t easily remove them. Just skip them. The titles say Semester 1 and Semester 2 but that does NOT correlate to how we organized the chapters in this class – this is from a different school. This chart below matches the chapter order we did in this class. * FR means “Free Response” question, it is not a multiple choice question. * Italics means you may need supplemental information from your teacher before you can answer. | | |
| **Chapter** | **Questions** | **Total # of Questions per Chapter** |
| 1 Basics and Atomic Structure | Semester 1 Exam: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 37, 38, 39, FR1a, FR1b, FR1c, FR5, FR6  Semester 2 Exam: None Supplemental Practice Exam: | 20 |
| 2 Nuclear Chemistry | Semester 1 Exam: 44, 45, 46, 47, 48, FR7a, FR7b,  Semester 2 Exam: None Supplemental Practice Exam: | 7 |
| 3 Electrons | Semester 1 Exam:  49, 50, 51, 52, 53, FR8a, FR8b, FR8c, FR8d Semester 2 Exam: None Supplemental Practice Exam: | 9 |
| 4 Periodic Table | Semester 1 Exam:  41, 42, 43, 54, 55, 56, 57, FR4e,  Semester 2 Exam: None Supplemental Practice Exam: | 8 |
| 5 Bonding and Structure | Semester 1 Exam: None Semester 2 Exam:  1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, ~~22~~, ~~23~~, ~~24~~, ~~25~~, ~~26~~, ~~27~~, FR2, FR3, FR4a Supplemental Practice Exam: | 20 |
| 6 Reactions | Semester 1 Exam: None Semester 2 Exam:  28, 29, ~~30~~, 31, 32, 42, 43, 44, FR4b, FR5, FR8a, FR8b, FR9a Supplemental Practice Exam: | 12 |
| 7 Stoichiometry | Semester 1 Exam: 40, FR8f Semester 2 Exam:  9, 10, 48, 50 Supplemental Practice Exam: | 6 |
| 8 Chemical Compositions | Semester 1 Exam: None Semester 2 Exam:  8, FR1a, FR1b Supplemental Practice Exam: | 3 |
| 9 Gas Laws | Semester 1 Exam: 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 58, 59, 60, FR2a, FR2b, FR2c,  Semester 2 Exam:  49, FR1c, FR9b, FR9c Supplemental Practice Exam: | 22 |
| 10 Thermochem | Semester 1 Exam: 25 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, FR3a, FR3b, FR4a, FR4b, FR4c,  Semester 2 Exam:  51, 52, ~~53~~, ~~54~~, 58, FR9d, ~~FR9e~~ Supplemental Practice Exam: | 21 |
| 11 Solutions | Semester 1 Exam: None Semester 2 Exam:  33, 34, 35 Supplemental Practice Exam: | 3 |
| 12 Kinetics | Semester 1 Exam: None Semester 2 Exam:  55, 56, 57, 59, 60, FR10a, FR10b,  Supplemental Practice Exam: | 7 |
| 13 Equilibrium | Semester 1 Exam: None Semester 2 Exam:  61, 62, 63, 64, 65, 66, 67, 68, 69, 70, FR11a, FR11b, FR11c Supplemental Practice Exam: | 13 |
| 14 Acids and Bases | Semester 1 Exam: None Semester 2 Exam:  36, *37*, *38*, 39, 40, 41, *FR6*, FR7 Supplemental Practice Exam: | 8 |
| ~~15 Redox~~ | Semester 1 Exam: None Semester 2 Exam: ~~45, 46, 47, FR8c~~ Supplemental Practice Exam:  None |  |