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| **Practice Test Packet Broken Up by ChapterSemester 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.
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| **Chapter** | **Questions** | **Total # of Questions per Chapter** |
| 1Basics 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, FR6Semester 2 Exam:NoneSupplemental Practice Exam: | 20 |
| 2Nuclear Chemistry | Semester 1 Exam:44, 45, 46, 47, 48, FR7a, FR7b, Semester 2 Exam:NoneSupplemental Practice Exam: | 7 |
| 3Electrons | Semester 1 Exam:49, 50, 51, 52, 53, FR8a, FR8b, FR8c, FR8dSemester 2 Exam:NoneSupplemental Practice Exam: | 9 |
| 4Periodic Table | Semester 1 Exam:41, 42, 43, 54, 55, 56, 57, FR4e, Semester 2 Exam:NoneSupplemental Practice Exam: | 8 |
| 5Bonding and Structure | Semester 1 Exam:NoneSemester 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, FR4aSupplemental Practice Exam: | 20 |
| 6Reactions | Semester 1 Exam:NoneSemester 2 Exam:28, 29, ~~30~~, 31, 32, 42, 43, 44, FR4b, FR5, FR8a, FR8b, FR9aSupplemental Practice Exam: | 12 |
| 7Stoichiometry | Semester 1 Exam:40, FR8fSemester 2 Exam:9, 10, 48, 50Supplemental Practice Exam: | 6 |
| 8Chemical Compositions | Semester 1 Exam:NoneSemester 2 Exam:8, FR1a, FR1bSupplemental Practice Exam: | 3 |
| 9Gas 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, FR9cSupplemental Practice Exam: | 22 |
| 10Thermochem | 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 |
| 11Solutions | Semester 1 Exam:NoneSemester 2 Exam:33, 34, 35Supplemental Practice Exam: | 3 |
| 12Kinetics | Semester 1 Exam:NoneSemester 2 Exam:55, 56, 57, 59, 60, FR10a, FR10b, Supplemental Practice Exam: | 7 |
| 13Equilibrium | Semester 1 Exam:NoneSemester 2 Exam:61, 62, 63, 64, 65, 66, 67, 68, 69, 70, FR11a, FR11b, FR11cSupplemental Practice Exam: | 13 |
| 14Acids and Bases | Semester 1 Exam:NoneSemester 2 Exam:36, *37*, *38*, 39, 40, 41, *FR6*, FR7Supplemental Practice Exam: | 8 |
| ~~15Redox~~ | Semester 1 Exam:NoneSemester 2 Exam:~~45, 46, 47, FR8c~~Supplemental Practice Exam:None |  |