

Chemistry Semester 2 Test Review

Review Schedule:

- Wednesday, May 17 through Friday, May 19: Work on Practices (in Semester Review Folder)
- Friday, May 19 (or earlier): Create Legal Cheat Sheet in the Classroom ONLY
- Monday, May 22 or Tuesday, May 23: Semester Test

The Test:

- The test is worth 10% of your semester grade.
- Test will be taken through BlackBoard Learn. Bring your laptop and know your user name and password.
- 60 questions, mostly multiple choice with some true/false and a few fill-in-the-blanks. Point value varies for questions: most concept questions are worth 1 point and applying concept questions are worth 2 points.
- A scientific calculator is recommended but not necessary.
- I will provide a Periodic Table, Oxidation Chart, Specific Heat Values and Bond Energies during the test.
- Bring a book to read or something to keep yourself occupied (just in case you complete the test early).
- You will not be allowed to leave the classroom during the testing period.

General Overview:

In order for the review to be most helpful, it is necessary for you to work through the practices and be prepared to ask questions for clarification and review. In addition, you should look over notes to help study! You can also make arrangements to look over your Concept quizzes.

The Review:

The Test is divided by topics (or units). Below you will find a general list of terms/concepts from each unit. Practice questions can be found on BlackBoard Learn. Use the practices in the Semester Review Folder. Each set of questions consists of 6-10 multiple choice, true/false and fill-in-the-blank questions. Use these questions to prepare for the test. Test questions will be very similar and many may even be identical to questions on the Semester Test. Review practices can be completed multiple times to prepare for the test. Also notice the number in the box...that is the number of test questions from the section.

14		
<u>Unit 5- Chemical Reactions I</u> balancing equations types of chemical reactions	predicting products percent composition	empirical & molecular formulas hydrates
9		
<u>Unit 6- Chemical Reactions II (Stoich)</u> Convert mass to moles Convert moles to mass	Limiting & excess reactants Percent Yield	
13		
<u>Unit 7- Chemical Reactions III (Reaction Rate & Equilibrium)</u> Reactions rate Reaction rate law & order	Equilibrium expression Equilibrium constant	Le Chatelier's Principle
11		
<u>Unit 8- Thermochemistry</u> Specific Heat Bond Enthalpy	Potential Energy diagrams Hess' Law	
13		
<u>Unit 9- Phase Change & Gas Laws</u> Phase change & enthalpy Phase diagrams Entropy	Heat curve Temperature conversion	Gas Laws Avogadro's Principle