

Physics Semester 1 Test Review

Review Schedule:

- Monday, January 7 and Tuesday, January 8: Work on Semester Review Practices
- Wednesday, January 9: Work on Practices & Complete Crib Sheet in the Classroom ONLY
- Thursday, January 11 or Friday, January 12: Semester Test

The Test:

- The test is worth 14% of your semester grade.
- Test will be taken through BlackBoard Learn. Know your user name and password.
- 72 questions: 13 true/false, 31 multiple choice and 28* fill-in-the-blank (*calculation required)
- A scientific calculator is recommended.
- I will provide NO equations. You may write all equations on your Crib Sheet.
- 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 come to class prepared to ask questions for clarification and review. In addition, you should look over notes to help study!

The Review:

The Test is divided by topics (or units). 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 randomly generated from these reviews. Review practices can be completed multiple times to prepare for the test.

Notice the number in the box...that is the number of test questions from the section.

<u>Unit 1-Introduction to Physics</u>				8
Standards of measurement	metric conversion	density	graphing	
<u>Unit 2- Motion</u>				11
distance/displacement	speed/velocity	acceleration	motion graphs	
<u>Unit 3 & 3.5 – Forces & Momentum</u>				15
unbalanced forces	friction	weight	momentum	
inertia	gravity	Newton's law		
<u>Unit 4- Circular and Rotational Motion</u>				11
Circular Motion	Rotational Motion	Universal Gravitation		
Centripetal Force	Center of Gravity			
<u>Unit 5 – Mechanical Energy</u>				9
potential energy	kinetic energy	mechanical energy	conservation of energy	
<u>Unit 6 – Work and Power</u>				8
Work		Power		
<u>Unit 7 – Machines, Efficiency and Mechanical Advantage</u>				10
simple machines	compound machines	efficiency	mechanical advantage	