

Texts:

Packet Due **2-23 -18**Physics (Cutnell & Johnson) 6<sup>th</sup> Edition)Openstax College Physics for AP Courses (Free electronic version)Edvantage Science AP Physics 1

1. **WRITE YOUR NAME**, first and last name, on top of this cover sheet.
2. **COMPLETE ALL THE WORK** as assigned.
3. **BOTH THE STUDENT AND A PARENT MUST SIGN** here before turning in.
4. **COVER SHEET**: Put this cover sheet on top of the work when you turn it in.
5. **THE EXPECTATION IS THAT**: You will turn in your work in the order shown below.
6. **TURN IN THIS WORK ON TIME** to your supervising teacher.
7. **Students must submit at least two lab works/report for Month 6.**

\_\_\_\_\_  
Student Signature\_\_\_\_\_  
Date\_\_\_\_\_  
Parent Signature\_\_\_\_\_  
Date**Cutnell Ch. 10 – Simple Harmonic Motion and Elasticity**1) P. 291 Conceptual #1, 5, 7-11, 15, 19 - P. 292 Problems #1, 6, 8, 10, 17, 18, 25, 26, 48, 52, 56**Cutnell Ch. 16 – Waves and Sound**2) P. 477 Conceptual #1, 2, 3, 5, 12-14, 20 – P. 478 Problems #1, 2, 5, 13, 26, 35, 50, 51**OpenStax Ch. 16 – Oscillatory Motion and Waves**3) Problems & Exercises P. 730 #1, 2, 4, 8-12, 14, 15, 18, 23, 25, 26, 34, 36, 46, 57, 62  
+ P. 720 - Test Prep for AP Courses: Do #3-6, 10, 12, 15, 16, 19, 21-23**OpenStax Ch. 17 – Physics of Hearing**

4) Problems and Exercises P. 769 #4, 5, 7, 8, 30, 40, 61

5) Glossary (p. 715): All of them.

6) Glossary (p. 765): All of them.

Edvantage – Ch. 7 – **Torque and Rotational Motion** (Notice the mistake of  $\frac{1}{2}$  missing from each term on the right side of the equation at the bottom of p. 329.)7) Copy the solutions (**How to do it**) on Pages 330, 334, 336, and 339.

8) Do problem #2 on p. 343.

**9) Two Laboratory Experiments/Exercises/Demonstrations**

a) 2/1/18 - Science Fair Physics+ Judging plus Catch Up

b) 2/8/18 - Simple Harmonic Motion, Waves, and Sound

c) 2/15/18 - Hearing, and Review for M6 Testing

10) Practice Sample AP Physics 1 Past Exam Questions Provided