

Texts:

Packet Due **2-21-2020**

- Physics (Cutnell & Johnson) 6th 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, 19 - P. 292 Problems #1-6, 8, 10, 17, 18, 25, 26, 39, 42

Cutnell Ch. 16 – **Waves and Sound**

2) P. 477 Conceptual #1-3, 5, 12, 20 – P. 478 Problems #1-3, 5, 13, 35, 37 **20%**

OpenStax Ch. 16 – **Oscillatory Motion and Waves**

3) Problems & Exercises #1, 2, 4, 8-11, 14, 15, 23, 25, 26, 34, 46, 57, 62
 + 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 + AP Test Prep #11, 16, 17 **20%**

5) OpenStax Glossary: Ch. 16 - All of them.

6) OpenStax Glossary: Ch. 17 - All of them. **10%**

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 306, 330, 336, and 339.

8) Do problem #2 on p. 343. **15%**

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

a) 1/30/2020 - Rotation Experiment + Science Fair Physics Judging

b) 2/6/2020 - Simple Harmonic Motion, Waves, and Sound

c) 2/13/2020 - Hearing, and Review for M6 Testing **20%**

10) Practice Sample AP Physics 1 Past Exam Questions Provided **15%**