

Texts:

Packet Due 3 -20 -2020

Physics (Cutnell & Johnson) 6<sup>th</sup> Edition)

Openstax College Physics for AP Courses (Free electronic version)

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 7.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

## Cutnell Ch. 17 - **The Principle of Linear Superposition and Interference Phenomena**

- 1) P. 506 Conceptual #1, 8, 10, 12, 13, 15  
 P. 506 Problems #1, 2, 3, 6, 17, 19, 20, 26, 29, 52 **15%**

## Cutnell Ch. 18 - **Electric Forces and Electric Fields**

- 2) P. 542 Conceptual #1-6, 13-15  
 P. 543 Problems #1-3, 5, 7, 11, 33 **15%**

## OpenStax Ch. 18 - **Electric Charge and Electric Field**

- 3) Openstax Ch. 18: All of them from conductor to Van de Graaff generator. **5%**
- 4) Problems & Exercises #2, 3, 12, 13, 24, 35, 36, 47, 50, 60, 62  
 + Test Prep for AP Courses: Do #1, 3, 4, 7, 12, 13, 14, 15, 18, 19, 21, 29, 34, 35 **15%**
- 5) AP Physics 1 Exam Practice 1 – Pick 8 of the most interesting questions to you to focus in on, and take notes on, from Questions #1-24. Plus complete and take notes on your work for the Free Response Questions #2, 3, 4. (They will be handed out in class 2/27/2020.) **15%**
- 6) From 5 STEPS TO A 5, pick 1 Free response question to work on from each of the first 4 Chapters 1) Kinematics, 2) Newton’s Laws, 3) Circular Motion/Gravity, 4) SHM. **15%**

## 7) Two **Laboratory Experiments/Exercises/Demonstrations**

- a) 2/27/2020 - Linear Superposition Practice + Standing Wave Notes and Lab
- b) 3/5/2020 - Speed of Sound Lab
- c) 3/12/2020 - Electricity Demos, Electricity Notes, Review **20%**