

Texts:

Packet Due **12-13-19**

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 the monthly work.
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 4.**

Student Signature

Date

Parent Signature

Date

Cutnell Ch. 7 – **Impulse and Momentum**

1) P. 199 Conceptual #3-4, 6, 8, 10, 20 – p. 200 Problems #1-3, 7-9, 20-21, 25, 30, 39, 47-49

OpenStax Ch. 8 – **Linear Momentum and Collisions**

2) Problems & Exercises #1, 2, 5, 8, 16, 19, 24, 27, 28, 31, 52

3) Openstax Test Prep for AP Courses (Ch. 8), Problems #1, 8, 12-14, 17, 23,
27-28, 34-36

Edvantage – **Ch. 4 Energy, and Ch. 5 Momentum**

4) p. 228 #16, p. 238 #2, p. 242 #3, p. 243 #6, p. 244 #10
p. 249 #3, p. 250 #6, p. 253 #8

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

- a) 11/21/19- Impulse and Momentum
- b) 12/5/19 - Linear Momentum and Collisions

6) Openstax Glossary p. 347: change in momentum, conservation of momentum principle, elastic collision, impulse, inelastic collision, internal kinetic energy, isolated system, momentum, perfectly inelastic collision, point masses, second law of motion