

## AP Physics Class Notes

### **Giancoli Chapter 1**

Introduction  
Math Skills  
Measurement

### **Chapter 2**

acceleration

### **Chapter 3**

Vectors

### **Giancoli Chapter 4**

Newton's Laws  
Friction

### **Chapter 5**

Circular Motion

### **Chapter 6**

Work  
Work and Energy  
Conservation of Energy  
Simple Machines

### **Giancoli Chapter 7**

Linear Momentum  
Collisions

### **Chapter 8**

Angular Motion  
Rotation  
Torque

### **Chapter 9**

Equilibrium  
Statics  
Elasticity

### **Giancoli Chapter 10**

Fluids at Rest  
Fluids in Motion

### **Chapter 11**

Simple Harmonic Motion  
Wave Motion

### **Chapter 12**

Acoustics  
Sound Waves

### **Giancoli Chapter 13**

Temperature  
Gas Laws

### **Chapter 14**

Heat  
Transfer of Heat

### **Chapter 15**

Thermodynamics

### **Giancoli Chapter 16**

Electric Force  
Electric Fields

### **Chapter 17**

Electric Potential  
Capacitance

### **Chapter 18**

Electric Current

### **Giancoli Chapter 19**

DC Circuits  
Emf and Terminal Voltage  
Capacitor Circuits  
RC Circuits

### **Chapter 20**

Magnetic Field  
Torque in Magnetic Field

### **Chapter 21**

Electromagnetic Induction  
Inductance  
AC Circuits

### **Giancoli Chapter 22**

Electromagnetic Waves  
Light

### **Chapter 23**

Mirrors  
Reflection and Mirrors  
Refraction and Lenses  
Geometric Optics

### **Chapter 24**

Diffraction

### **Giancoli Chapter 26**

Relativity

### **Chapter 27**

Quantum Mechanics  
Atomic Physics

### **Chapter 30**

Nuclear Physics