

# Rio Americano High School Conceptual Physics

## CP.08 Energy [Chapter 9] + Final Exam

[6/8/18]

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### 1. M 12/3 – Work & Power

- \_\_\_ Read §9.1 Work
- \_\_\_ Answer q. 1, 2, 3, 4
- \_\_\_ Read §9.2 Power
- \_\_\_ Answer q. 5, 46

### 2. T 12/4 – Cosmos: A Spacetime Odyssey

- \_\_\_ Episode 8. *Sisters of the Sun*

### 3. W 12/5 – Mechanical Energy & Potential Energy & Kinetic Energy

- \_\_\_ Read §9.3 Mechanical Energy
- \_\_\_ Answer q. 6
- \_\_\_ Read §9.4 Potential Energy
- \_\_\_ Answer q. 7
- \_\_\_ Read §9.5 Kinetic Energy
- \_\_\_ Answer q. 8, 9, 28, 29
- \_\_\_ Hewitt Drew It 29. Potential & Kinetic Energy

### 4. r 12/6 – Sketches + Clips

- \_\_\_ Demo: Sketchy Physics—Energy Edition
- Honda Cog Ad, OK Go This Too Shall Pass
- \_\_\_ Hewitt Drew It 30. Energy Theorem

### 5. F 12/7 – Work-Energy Theorem & Conservation of Energy

- \_\_\_ Read §9.6 Work-Energy Theorem
- \_\_\_ Answer q. 9, 10
- \_\_\_ Read §9.7 Conservation of Energy
- \_\_\_ Answer q. 11, 12, 13, 14, 30, 31, 32, 47
- \_\_\_ Hewitt Drew It 31. Conservation of Energy

### 6. M 12/10 – Conceptual Physics Alive

- \_\_\_ CPA: *Energy*

### 7. B1 12/11 – Machines & Efficiency

- \_\_\_ Read §9.8 Machines
- \_\_\_ Answer q. 15, 16, 17, 18
- \_\_\_ Read §9.9 Efficiency
- \_\_\_ Answer q. 19, 20, 21, 31
- \_\_\_ Hewitt Drew It 33. Machines and Energy

### 8. B2 12/12 – Energy for Life & Sources of Energy

- \_\_\_ Mechanical Universe: *Conservation of Energy*
- \_\_\_ Read §9.10 Energy for Life
- \_\_\_ Answer q. 22
- \_\_\_ Read §9.11 Sources of Energy
- \_\_\_ Answer q. 23, 24, 25
- \_\_\_ Bill Nye: Energy

### 9. r 12/13 – Test Corrections

- \_\_\_ Test Corrections CP.07 - Momentum
- \_\_\_ Classwork Return
- \_\_\_ PracTest CP.08 - Energy

### 10. F 12/14 – Clickers + Mechanical Universe

- \_\_\_ Clicker Quiz CP.08 – Energy

### 11. M 12/17 – Test CP.08 – Energy

- \_\_\_ Get Crossword CP.09 – Heat
- \_\_\_ Course Work Folio

Schedule permitting: Bill Nye—*Energy*

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### Unit Test CP.08 will cover

*Conceptual Physics* Textbook: Chapter 9 – Energy\*\*\*\*

Conceptual Physics Alive: *Energy*\*\*

Cosmos Episode 8: *Sisters of the Sun*\*\*

Demonstration/s + *Mechanical Universe: Conservation of Energy*\*\*

### T 12/18 – The Physics of Car Crashes [Make up Unit Test CP.08]

#### Final Exams Schedule [Estimated]

Wednesday 12/19 – 1, 3

Thursday 12/20 – 2, 4

Friday 12/21 – 5, 6