

Rio Americano High School Conceptual Physics

CP.14 Waves & Sound [Chapters 25 & 26] [7/20/17]

1. W 4/11 – Cosmos: A Spacetime Odyssey

__Episode 12. *The World Set Free*

2. r 4/12 – Vibration of a Pendulum

__Read §25.1 Vibration of a Pendulum

__Answer q. 1, 2, 3, 4, 31, 32, 33

3. F 4/13 – Wave Description & Wave Motion

__Read §25.2 Wave Description

__Answer q. 5, 6, 7, 21*,

__Read §25.3 Wave Motion

__Answer q. 8, 34, 35, 36, 37, 38, 39

__Hewitt Drew It 82. Good Vibrations and Waves

4. M 4/16 – Speed | Transverse & Longitudinal

__Read §25.4 Wave Speed

__Answer q. 9, 10, 41, 42

__Read §25.5 Transverse Waves

__Read §25.6 Longitudinal Waves

__Answer q. 11, 43

__Hewitt Drew It 83. Types of Waves

5. T 4/17 – Interference & Standing Waves

__Read §25.7 Interference

__Answer q. 12, 13

__Read §25.8 Standing Waves

__Answer q. 14

6. W 4/18 – Conceptual Physics Alive

__CPA: *Vibrations & Sound I*

7. r 4/19 – The Doppler Effect

__Read §25.9 The Doppler Effect

__Answer q. 15, 16, 55, 45, 46, 47, 48, 49

8. F 4/20 – Bow Waves & Shock Waves

__Read §25.10 Bow Waves

__Answer q. 17, 18, 24, 50,

__Read §25.11 Shock Waves

__Answer q. 19, 20, 25, 51, 52, 53, 54

9. M 4/23 – The Origin of Sound & Sound In Air

__Read §26.1 The Origin of Sound

__Answer q. 1, 2, 3, 4

__Read §26.2 Sound In Air

__Answer q. 5

10. T 4/24 – Media that Transmit Sound & Speed of Sound

__Read §26.3 Media that Transmit Sound

__Answer q. 6, 24

__Read §26.4 Speed of Sound

__Answer q. 7, 8, 9, 22, 25, 27, 31, 32

11. W 4/25 – Conceptual Physics Alive

__CPA: *Vibrations & Sound II*

12. r 4/26 – Natural Frequency & Forced Vibration

__Read §26.6 Natural Frequency

__Answer q. 11, 12, 42

__Read §26.7 Forced Vibration

__Answer q. 13, 36, 40

13. F 4/27 – Resonance & Interference

__Read §26.8 Resonance

__Answer q. 14, 15, 16, 17, 37, 39, 41

__Read §26.9 Interference

__Answer q. 18, 19

__Hewitt Drew It 85. Resonance

14. M 4/30 – Beats + Mechanical Universe

__Read §26.10 Beats

__Answer q. 20, 21

__Hewitt Drew It 86. Interference

__Mechanical Universe: *Waves*

15. T 5/1 – Clickers

__Clicker Quiz CP.14

__Fun with Back Masking

16. W 5/2 – Test Corrections

__Test Corrections CP.13 – Electromagnetism

__PracTest CP.14 – Waves & Sound

17. r 5/3 – Unit Test CP.14 – Waves & Sound

__Get Crossword CP.15 – Light & Color

Unit Test CP.14 will cover

Conceptual Physics Textbook: Chapters 25 & 26 – Waves & Sound****

Conceptual Physics Alive: *Vibrations and Sound I*, *Vibrations and Sound II***

Cosmos Episode 12: *The World Set Free***

Demos/Activities + Mechanical Universe: *Waves***