

20. Name each part of a transverse and longitudinal wave as labeled in the diagrams.



Wave type:	Wave type:
A.	D.
B.	E.
C.	

21. Examine the different waveforms and answer each question that follows.



Which waveform has the...					
A. Highest amplitude?		D. Longest wavelength?		G. Most energy?	
B. Lowest amplitude?		E. Lowest frequency?		H. Least energy?	
C. Shortest wavelength?		F. Highest frequency?			

22. What property of a wave is a measure of the wave's energy? Explain how this wave property changes as the amount of energy carried by the wave increases.

23. Explain how the wavelength of a wave relates to its frequency.

24. A sound wave has a wavelength of 1.01 m and a frequency of 200 Hz. Calculate its speed, in m/s.

# Worksheet Mechanical Waves Review

**Zitzewitz**



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