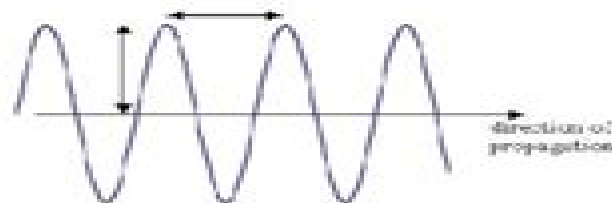


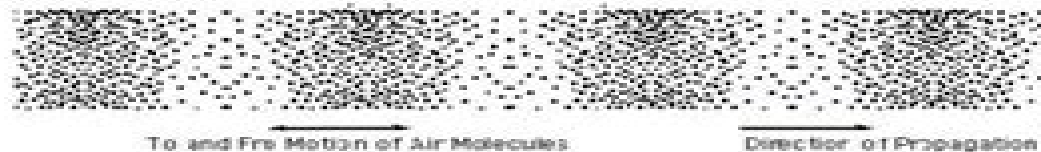
MECHANICAL WAVES QUIZ REVIEW

Instructions: Show your work completely in your journal when answering the following questions.

1. Define and provide examples for the following types of waves:
 - a. Transverse
 - b. Longitudinal
 - c. Surface
2. What is the only factor that affects the speed of a mechanical wave?
3. Define and list the variables for the following terms:
 - a. Frequency
 - b. Period
 - c. Wave Speed
 - d. Amplitude
 - e. Wavelength
4. Describe if the following have a direct relationship, inverse relationship, or no relationship:
 - a. Wavelength and Frequency
 - b. Period and Frequency
 - c. Wavelength and Period
 - d. Frequency and Amplitude
 - e. Amplitude and Wavelength
5. Sketch and label the following diagrams:
 - a. Transverse Wave:



- b. Longitudinal Wave:



6. If the frequency of a wave is 742 Hz, what is the period of the wave?
7. A sound wave has a speed of 341 m/s and a period of 0.0076 seconds. What is its wavelength?
8. A wave has a wavelength of 0.351 m and a frequency of 615 Hz. What is its wave speed?
9. Shaun is 452 m away from Katy when they call out to her. It takes 1.50 seconds for the sound to travel from Katy to Shaun.
 - a. What is the speed of the sound wave from Shaun's shout?
 - b. If the wavelength of the sound waves is 2.10 m, what is its frequency?

Mechanical Waves Review

EW Minium



Mechanical Waves Review:

Decoding **Mechanical Waves Review**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Mechanical Waves Review**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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