WAVES QUIZ

Multiple Choice; Select the most correct answer, (15 K)



 The diagram represents a wave pattern in a certain medium. The wavelength in the diagram is represented by the distance from:

ALA to D

B) B to C.

C) D to F

D) F to G

E) D to G

As a wave front crosses a boundary between two different media, the wave front may change direction, an interaction known as:

A) reflection

B) refraction

C) diffraction:

D) absorption

E) none of the above

Waves are affected by boundaries. When a wave front meets a certain boundary, all of the following may occur EXCEPT a change:

A) of direction B) in the pattern of the wavefront C) of frequency D) of amplitude

4. Which of the following most affects the wavelength of a mechanical wave moving through a medium? Assume that the frequency of the wave remains constant.

A) the nature of the medium

B) the height of a crest

C) the amplitude

D) the energy carried by the wave

S. The difference between a transverse and a longitudinal wave is

A) a longitudinal wave carries more energy

B) the oscillations are perpendicular to the direction of travel in a transverse wave and parallel in a longitudinal wave

C) the oscillations are parallel to the direction of travel in a transverse wave and perpendicular in a longitudinal wave

D) a transverse wave has greater amplitude

E) none of these

Mechanical Waves Review Multiple Choice Questions

JR Anderson

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