Waves Check Point EQ3: What Properties do Waves Have?

Multiple Choice

Directions: Type A, B, C, or D of the correct answer in the answer box

What is amplitude in a wave?
a) The number of waves that pass by a point each second
b) The height of the wave
c) The distance between two troughs
d) The speed of the wave

What happens to the energy of a wave when its wavelength becomes shorter?
a) The energy decreases
b) The energy increases
c) The energy stays the same
d) The wavelength becomes longer

What is frequency in relation to waves?
a) The speed at which waves travel through a medium
b) The height of the wave
c) The distance between two crests
d) The number of waves that pass by a point each second

True or False

Directions: Write T for true and F for false in the answer box.

A higher frequency means a wave has more energy.

Wave speed refers to the distance between two crests or two troughs.

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