

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.