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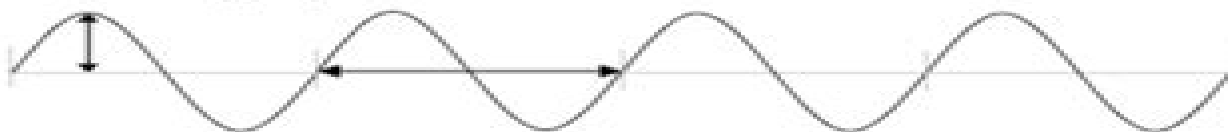
**PERIOD: A B E F G**

### Wave Worksheet

One full wave (cycle)



Wave train – two or more waves



Amplitude – measures the energy of a transverse wave

a) measured from the equilibrium position to the top of a crest or the bottom of a trough (see vertical arrow)

Wavelength – length of a single wave cycle (horizontal arrow double sided arrow)

Frequency – # of waves that pass a point in a given amount of time

Speed = wavelength x frequency

The time from the beginning to the end of the wave train in each situation is 1 second.

#### **Wave 1**



a) How many waves are there in this wave train? \_\_\_\_\_

b) Wavelength \_\_\_\_\_ cm    c) Amplitude \_\_\_\_\_ cm    d) frequency \_\_\_\_\_ Hz    e) speed \_\_\_\_\_ cm/s

#### **Wave 2**



a) How many waves are there in this wave train? \_\_\_\_\_

b) Wavelength \_\_\_\_\_ cm    c) Amplitude \_\_\_\_\_ cm    d) frequency \_\_\_\_\_ Hz    e.) speed \_\_\_\_\_ cm/s

#### **Wave 3**



a) How many waves are there in this wave train? \_\_\_\_\_

b) Wavelength \_\_\_\_\_ cm    c) Amplitude \_\_\_\_\_ cm    d) frequency \_\_\_\_\_ Hz    e.) speed \_\_\_\_\_ cm/s

# Answers For Physical Science Waves Calculations

**William Elwood Byerly**



## Answers For Physical Science Waves Calculations:

**Symmetry and Exact Solutions of Nonlinear Mathematical Physics Equations** Gangwei Wang,Xiangpeng Xin ,Samir A. El-Tantawy,2024-08-13 Nonlinear problems originating from applied science that is closely related to practices contain rich and extensive content It makes the corresponding nonlinear models also complex and diverse Due to the intricacy and contingency of nonlinear problems unified mathematical methods still remain far and few between In this regard the comprehensive use of symmetric methods along with other mathematical methods becomes an effective option to solve nonlinear problems Physics Briefs ,1994 **New Trends in Fractional Differential Equations with Real-World Applications in Physics** Jagdev Singh,Jordan Yankov Hristov,Zakia Hammouch,2020-12-30 This eBook is a collection of articles from a Frontiers Research Topic Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series they are collections of at least ten articles all centered on a particular subject With their unique mix of varied contributions from Original Research to Review Articles Frontiers Research Topics unify the most influential researchers the latest key findings and historical advances in a hot research area Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office frontiersin.org about contact

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