**E. Wavelength**– distance between \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **symbol  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



- length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Wavelength? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**Ex)**

**Amplitude? Wavelength?**



 **Ex) Amplitude A?,  B?,  C?**



**F. Speed** – the number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ex)** **f = 40. hertz.** **V = ?**



**Ex)** Period = 5.0 sec. V = 20. m/s Wavelength = ?

**3.**Velocity sound = **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-**

**(Air, Reference Table, room temperature)**

Velocity **light** in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**About how many times faster is light than sound?**

**Gap** between time you see lightning and time you hear thunder tells ....

**Summary**

**D.** **Doppler Effect** – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a wave

when there is relative \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
|  **Which way is this ambulance moving?**http://www.stmary.ws/HighSchool/Physics/home/notes/waves/WaveBehavior/img4A.jpg  |

 **"Which way is the source of this wave moving?"**

 