



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Loudness

Echolocation

Mechanical wave

Fundamental tone

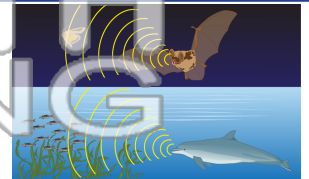
Frequency

Longitudinal wave

Hertz (Hz)

Interference

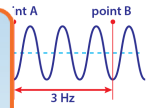
1. \_\_\_\_\_ - a biological process used by select animals to locate a distant or a concealed object by reflecting sound waves off of the object



2. \_\_\_\_\_ - the measurement of the number of waves passing a given point in a unit of time



3. \_\_\_\_\_  
instrume

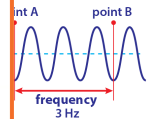


4. \_\_\_\_\_

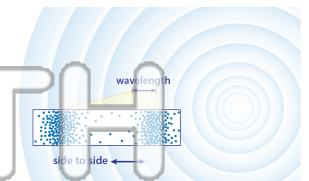


5. \_\_\_\_\_  
medium

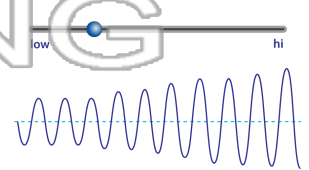
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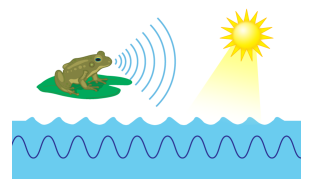
6. \_\_\_\_\_ - a wave where the particles of the medium vibrate from side to side as the energy passes through



7. \_\_\_\_\_ - the volume of a sound wave that is determined by the amplitude of the wave



8. \_\_\_\_\_ - a wave that needs a medium to transfer energy or travel





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

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Fundamental tone

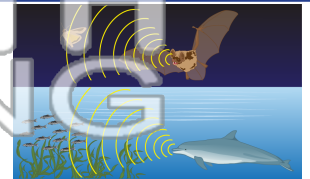
Frequency

Longitudinal wave

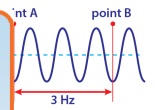
Hertz (Hz)

Interference

1. **echolocation** - a biological process used by select animals to locate a distant or a concealed object by reflecting sound waves off of the object



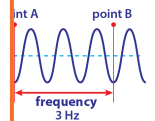
2. **frequency** - the measurement of the number of waves passing a given point in a unit of time



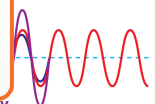
3. **fundamental tone** - the lowest frequency or pitch of a complex tone, produced by an instrument



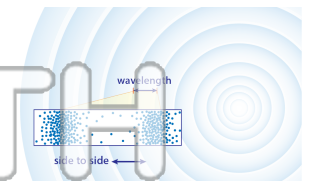
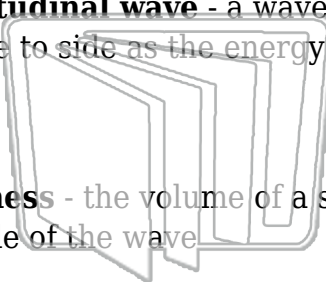
4. **Hertz** - the unit of frequency, equal to one cycle per second



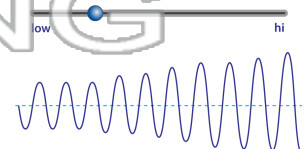
5. **interference** - the interaction between two waves that results in a new wave pattern



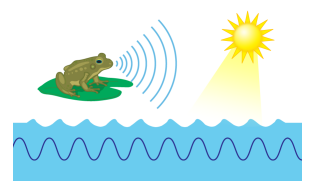
6. **longitudinal wave** - a wave where the particles of the medium vibrate from side to side as the energy passes through



7. **loudness** - the volume of a sound wave that is determined by the amplitude of the wave



8. **mechanical wave** - a wave that needs a medium to transfer energy or travel



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