

Name: _____

Unit C: Chapter 1

Back Up

Make the disturbance it takes, with sound and ocean waves

Define a wave and give two examples. _____

To move this energy from here – to a brand new place

**When a medium is necessary, While the energy through a vacuum explains,
Electromagnetic rays**

Give two examples of how sound would travel through two different types of mediums.

Which one would travel faster? _____

How is light an example of an electromagnetic wave? _____

What are some other examples of electromagnetic waves? _____

Transverse me all with perpendicular motion

A rope so up and down just like the surface of the ocean

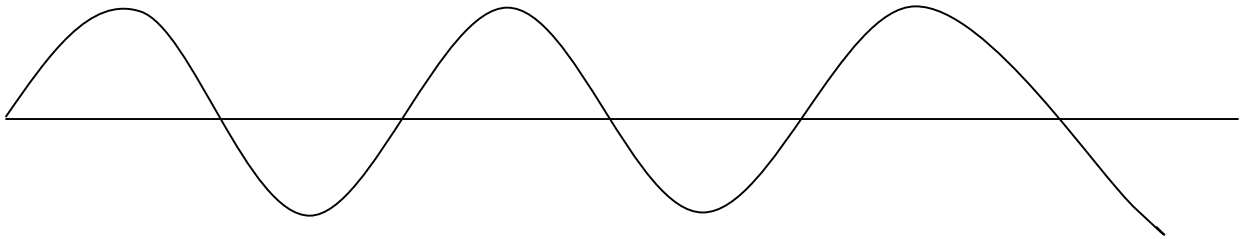
When a sound goes off it creates some longitudinal waves

Bounce off and back up

Draw a diagram of how a transverse and a longitudinal wave travel.

**Now at the top of the crest ,We look around so impressed
But down deep in the trough, We get a little distressed
Where amplitude is ok, It's just a shallow wave
A short distance or length to the next sunny day, Well hey this frequency is
insane,23 million passed today!**

Label the diagram of a wave with crest, trough, amplitude, frequency.



Describe amplitude and frequency _____

**Can you dig the wave that reflects after striking a barrier?, Like
water hitting a bridge, or when sound hits a wall**

What is reflection? _____

Draw what water would look like hitting a wall.

**Maybe diffract a little, spread out a little, When you hit the edge of the
obstacle**

What is diffraction? _____

Draw what water would look like hitting a bridge.

How is this like a carnival of intervals? _____

**When light goes into my glass, It tends to bend and refract
Travels at different speeds, Depending where it's at**

What is refraction? _____

Draw a picture of refraction.

Why does it look like this? _____

**Though waves will join & combine, Your crest is similar to mine
Constructive interference - positive right? ,Amplitude is so gonna rise**

The adding of two waves is called? _____

What is the result of two waves combining? _____

What is the opposite of constructive interference? _____