

What are Waves?

Name \_\_\_\_\_

**Part X: Mechanical, Electromagnetic, Transverse, and Longitudinal Waves**

**Fact #1**

Mechanical waves can be transverse or longitudinal.

**Fact #2**

Sound waves are mechanical waves that are *longitudinal*.

**Fact #3**

All electromagnetic waves are *transverse*.

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Using information from earlier in this packet, fill each wave into the correct box of the table below following table:

Radio waves	Sound waves	Ultrasonic Waves
Visible Light waves	Slinky waves	Seismic Waves
Water Waves	“The Wave”	Ultraviolet waves
Microwaves		

	<b>Transverse</b>	<b>Longitudinal</b>	<b>Could be either</b>
<b>Electromagnetic</b>			
<b>Mechanical</b>			