

Types of Waves

Twenty Questions: “What am I?”

Objective: TLW B.S., interact with, and learn the vocabulary: wave, medium, mechanical wave, electromagnetic, transverse and longitudinal

Set-Up Table

Word	What is it? Examples	How did I learn this? How will I remember this?
1. Wave	<p>Example: water</p> <p><i>Definition: Disturbance that transmits energy through matter and space</i></p>	<p>How did I learn this?</p> <p>How will I remember this?</p>
Medium	<p>Example: Water, Slinkee, people, (hint: anything made of matter . . .)</p> <p><i>Definition Any object / matter that a wave can travel through</i></p>	<p>How did I learn this?</p> <p>How will I remember this?</p>
Mechanical wave	<p>Examples: Sound, Ocean, Hand,</p> <p><i>Definition Wave that requires a medium to travel through</i></p>	<p>How did I learn this?</p> <p>How will I remember this?</p>
Electromagnetic	<p>Example: Light . . .</p> <p><i>Definition: A wave that is caused by a disturbance in electric and magnetic fields and that does not require a medium; also called a light wave.</i></p>	<p>How did I learn this?</p> <p>How will I remember this?</p>
Transverse	<p><i>Definition: A wave that causes the particles to move perpendicular to the direction of the wave</i></p> <p>Examples: Ocean wave, light waves..</p>	<p>How did I learn this?</p> <p>How will I remember this?</p>
Longitudinal	<p><i>Definition: Wave that causes the particles of the medium to vibrate parallel to the direction the wave travels.</i></p> <p>Examples: (Hint: any wave that moves back and forth through a medium)</p>	<p>How did I learn this?</p> <p>How will I remember this?</p>