

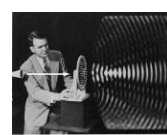


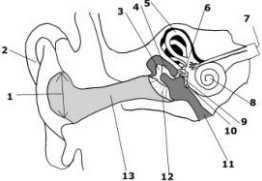
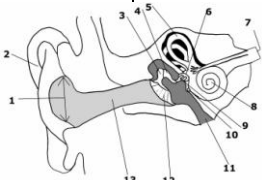
**Name:** \_\_\_\_\_

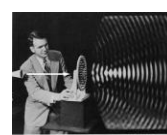
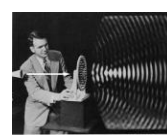
**Date:** \_\_\_\_\_

In groups, you will be responsible for presenting to the class a definition for the assigned sound/light wave vocabulary in a creative and interactive way. Please note: each of the following vocabulary words will be tested on an upcoming exam. ALSO: I highly recommend you draw what the WAVE will look like.

Vocabulary Word	Definition or Formula	A fun, creative way to remember this term (drawing, skit memory, poem, etc.)
<b>Sound Vocabulary</b>		
Compression		
Pitch		
Low pitch		
High pitch		
Loudness/Volume		
Medium		
Wave length		
Velocity/Speed		
Compressional/Longitudinal	Waves that carry <b>sound</b> energy	
Doppler effect		
Hertz		



Vocabulary Word	Definition or Formula	A fun, creative way to remember this term (drawing, skit memory, poem, etc.)
Volume		
Shock wave		
Sonic boom		
Echo		
Decibels- How can you make a sound louder?		
<b>Ear Anatomy</b>		
Outer ear/ Pinna		
Ear drum/Tympanic membrane		
Malleus/hammer		
Stapes/stirrup		
Incus/anvil		
Eustachian Tube		
Oval window		



Vocabulary Word	Definition or Formula	A fun, creative way to remember this term (drawing, skit memory, poem, etc.)
Cochlea		
Auditory nerve		
Semicircular canals		
<b>Sample Sound Problems</b>		
<p>1. A sonar unit on a ship emits a sound wave. The echo from the ocean floor is detected 2 seconds later. If the speed of sound in water is 1500 m/s, how deep is the ocean beneath the ship? Be sure to include units.</p> <p>2. The wreck of the passenger ship Titanic is at a depth of about 3800 m. A sonar unit on a ship emits a sound wave that travels at a speed of 1500 m/s. How long does it take a sound wave reflected from the Titanic to return to the ocean surface?</p>		

