

Unit No/Name	Subject Name	Teacher Name	Date
Waves, sound and light	Sound Waves Properties 2.1 & 2.2	Ayman Al Omari	
Student No:		Student Name:	
		Group:	VEDC+

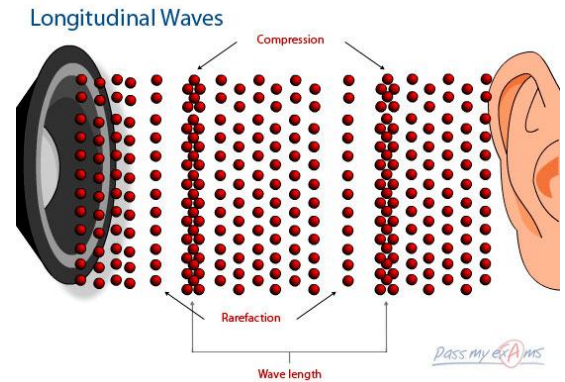
Nature of sound

1- What does a loud speaker create?

a series of compressions (high pressure zones) and rarefactions (low pressure zones).

2- What causes sound waves?

Vibrations _____



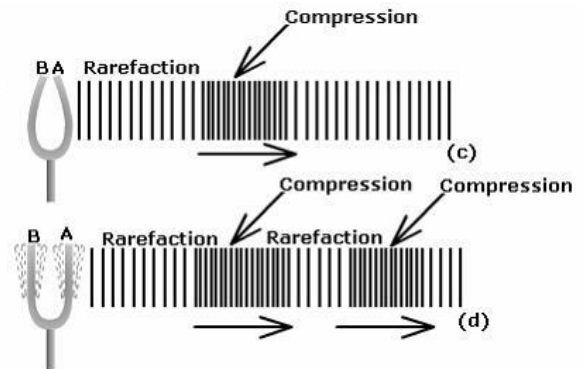
3- What is the direction of vibrations in relative to the direction of propagation?

The vibrations is in the propagation direction

4- Can sound waves travel in a vacuum?

No, Sound waves cannot travel in a vacuum.

5- What does a sound wave need to travel?



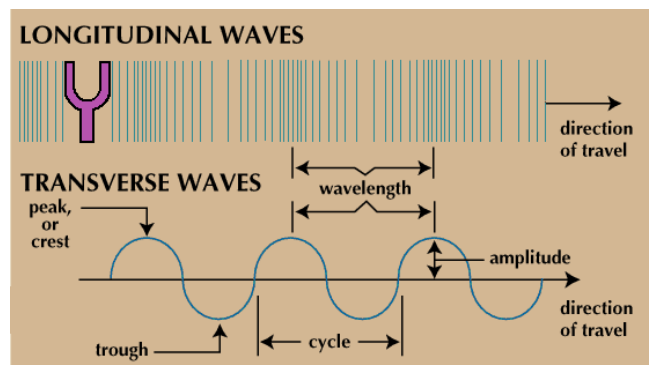
Sound needs a material to travel

6- What matter phases do sound waves travel in?

Solid, Liquid, and Gas.

7- What type is a sound wave?

Longitudinal wave _____



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-On the following figure identify the following:-
 Transvers waves, longitudinal waves, compression, rarefaction, crest, trough, wavelength.

