Name_	
Hour	

Study Guide for Sound and Light Waves Test

1.	What does a decibel measure?
2.	The amplitude of a wave is the
3.	A sound with a large amplitude will transmit a lot of
4.	Describe how sound travels in different mediums such as:
	Solid:
	Liquid:
	Gas:
5.	Describe 3 characteristics of light waves.
6.	Describe 3 characteristics of sound waves.
7.	What are the colors of the visible spectrum?
8.	When white light shines on film and violet light is transmitted through the film, the film
	all the colors except from the white light.
9.	What material transmits the most visible light?
10). Which material reflects the most visible light?
11	. Light that is refracted is re-directed through another
12	. Light is a wave.

wave.	ь эншанку ана one anterend	ce between longitudinal wave and a transverse
15 If the freque		nat happens to its wavelength?
o. II the hoque	noy or a sound increases, wr	rat happens to its wavelength?
6.Explain noise	-induced hearing loss, and p	rovide three ways a person can prevent it.
	-	
Use the following	g diagrams of a transmitted signal t	o answer avestions 28, 31
Graph 1		i
1		Graph 2
		,
fg.		₽ O
Signal strength		Signal strength
Signa		ig
	Time	Time
	·	
7 Which diagra	Im raproporto	
7. Which diagra a. a digita		
_		
b. an anal	og signal?	amana ku U
R Fynlain how +	no diagram models the differ	ences in the signals
3. Explain how t		

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