		_		
ents. speed of sound in air				
TPLE CHOICE. Choose t	he one alternative that b	est completes the stateme	ent or answers the question	1.
1) Two speakers vibrating at the same frequency are placed directly in front of an observer. As one				1)
_		sured sound intensity goes		•
minimum. The freque	ency of the sound is	·		
A) 1.7 kHz	B) 3.4 kHz	C) 5.5 kHz	D) 0.85 kHz	
2) A column of air 10 am	long has one and ones	and ano and alocad. The re	arralamenth of the thind	2)
harmonic in this tube		and one end closed. The w	avelength of the third	2) .
A) 30 cm	B) 13 cm	C) 3.3 cm	D) 6.7 cm	
71) 50 cm	<i>b)</i> 10 cm	C) 0.0 cm	<i>D)</i> 0.7 Cm	
3) The sound of an warn	ing siren with an audio p	power of 100 W is heard by	a person at an intensity	3)
	-	tes uniformly in all direction	-	
how far from the sirer		·	•	
A) 2.8 km	B) 5.3 km	C) 1.6 km	D) 0.75 km	
4) When white light is refracted by passing through the interface from air to glass, the angle of				4)
refraction is greatest for		C) 11	D) 1	
A) green	B) blue	C) yellow	D) red	
E) A violin atrino accillat	in a at a fron dame antal fro	arrow are of 660 Hz is 22 am	lana and is stretched with	E)
_	d the mass of the vibratin	quency of 660 Hz is 33 cm	iong and is stretched with	5)
A) 0.26 g	B) 0.12 g	C) 0.35 g	D) 0.08 g	
11) 0.20 g	D) 0.12 g	C) 0.50 g	D) 0.00 g	
6) In order to have total	internal reflection, the an	ngle of incidence must be e	gual to or than the	6)
		nterface where the refracti	-	, <u>.</u>
A) greater, increases		B) less, increases		
C) less, decreases		D) greater, decreases		
7) A train passes a siren next to the track and a heads toward a second siren in front of it. Both sirens				7)
1 2	1	the train hears a beat frequ	ency of 150 Hz due to two	
sirens. Find the speed A) 21 m/s		C) 34 m/s	D) 26 m/s	
A) 21 III/S	B) 15 m/s	C) 34 III/S	D) 20 III/S	
8) A student with a mass	s of 50 kg steps into a 150	00 kg car lowering it on its	suspension by 2.0 cm	8)
•	U 1	cillates due to defective sho		0)
frequency of oscillatio	•			
A) 0.63 Hz	B) 0.31 Hz	C) 0.89 Hz	D) 1.52Hz	
		mass on a spring and abso		9)
		on the water molecule is re		•
	_	requency of the absorbed r		
A) 0.71 f	B) 0.5 f	C) 1.41 f	D) 2 f	
10) The wavelength of vis	-		D) 1	10)
A) 1 micrometer	B) 1 meter	C) 1 centimeter	D) 1 nanometer	

Answer Key Testname: QUIZ1

- 1) A 2) B 3) A 4) D 5) B 6) D 7) D 8) A 9) A 10) A