

Physics Interactive Quiz : Waves

Name: _____

#	1	question	Answer	0 <--score
# 1	20	cm is the length of a closed tube that resonates with a certain tuning fork. If V_{sound} is 320 m/s, find the wavelength of the sound		0
# 2	20	find the frequency of the sound		0
# 3	311	m/s is the velocity of sound on a mountaintop. Find the new length to make the tube resonate		0
# 4	4	meters is the length of a spring on the floor. If a pulse takes 1.2 seconds to make a round trip, find the velocity of the pulse.		0
# 5	6	seconds is the time a surfer times between "sets" of waves. What is the frequency of the waves?		0
# 6	6	What is the period of the waves?		0
# 7	6	If the distance between peaks is 18 meters, find the velocity the surfer will have to paddle to catch the wave		0
# 8	70	hz is the resonant frequency of a certain speaker. What will the frequency of the third harmonic be?		0
# 9	70	How long will the original waves be if V_{sound} is 320 m/s?		0
# 10	70	How long would they be if the waves were underwater where V_{sound} is 1600 m/s?		0

Extra Credit: