

Physics Interactive Quiz : Electromagnetism/EMR

Name: _____

#	1	question	Answer	0	<--score
# 1	20	megahertz is the frequency of a radio station you like to listen to. Find the wavelength for this wave in meters:		0	
# 2	20	How long should you make your car radio antenna to get this station best?		0	
# 3	20	what is the velocity of these waves?		0	
# 4	30	meters is the distance between waves that you surf at the beach. If these waves come by every 15 seconds, find their period		0	
# 5	30	find their wavelength		0	
# 6	30	find their velocity		0	
# 7	40	m/s is the velocity of a 2m wire that moves north in a magnetic field falling like rain of 5 teslas. Find the voltage in the wire		0	
# 8	40	which end is positive, east end or west?		0	
# 9	40	Ele and Fede are swinging a wire like a jump rope (salta la corda). If Fede is closer to the flagpole, and she sees the rope moving clockwise and down, is her end positive or negative?		0	
# 10	40	What is Ele's end then?		0	

Extra Credit: Explain why tidal waves (tsunamis) are only inches high out at sea and hundreds of feet high when they reach the harbor. Give examples if you can