## **QUESTIONS TO HAND IN-EXPERIMENT 11**

NAME			
LA	B INSTRUCTOR	_LAB DAY/TIME	
1.	A standing wave pattern exfrequency of 70 hertz. What is	xhibits a wavelength of 0.10 m at s the wave speed?	a
2.	tuning fork, and the speed is o	ency of the wave is kept constant by t changed by changing the tension on t the wave speed have to change to oop pattern?	he
3.		ng is proportional to the <u>square root</u> loes the tension have to be increased a factor of 4?	
4.	The other factor affecting the mass density. What could you	speed of waves on a string is the line u do to change this factor?	ear
5.	A standing wave pattern is o 0.70 meters. What is the wave	observed with 5 loops that extend ovelength?	/er