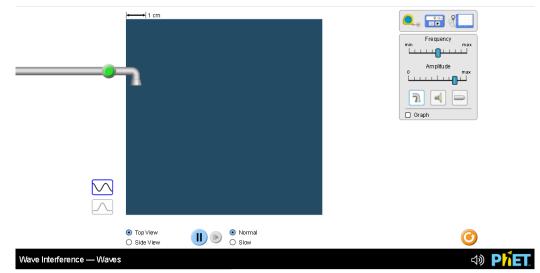
Waves Interference Introduction Lab

Develop your understanding:

Open the <u>Waves</u> screen, then explore to make water waves and ways to observe and measure the waves.



Explain your understanding of water waves:

1.	Use your own words and captured images from the simulation to show you can measure:
	a. Wavelength of longest wave possible

	b.	Wavelength of shortest wave possible
	c.	Height of tallest wave possible
2.		scribe your experiments to make waves of different wavelengths and heights including which ws and tools were needed and why. Support your explanation with images from the simulation.

3.	. Use your own words and captured images from the simulation to show you <u>can or cannot</u> measure:			
		Period of longest wave possible		
	b.	Period of shortest wave possible		
	C	Period of tallest wave possible		
	.			
4.		scribe your experiments to measure period, including which views and tools were needed and y. Support your explanation with images from the simulation.		
5.	me	e your own words and captured images from the simulation to show you can or cannot asure: Speed of longest wave possible		
	b.	Speed of shortest wave possible		
	c.	Speed of tallest wave possible		
6.		scribe your experiments to measure speed including which views and tools were needed and y. Support your explanation with images from the simulation.		
7.	sho	mmarize your understanding of wave characteristics and behaviors by comparing the longest, ortest, and tallest waves. Use these vocabulary words: Frequency, Amplitude, Wave Speed, and welength.		

Develop your understanding of sound and light waves:

