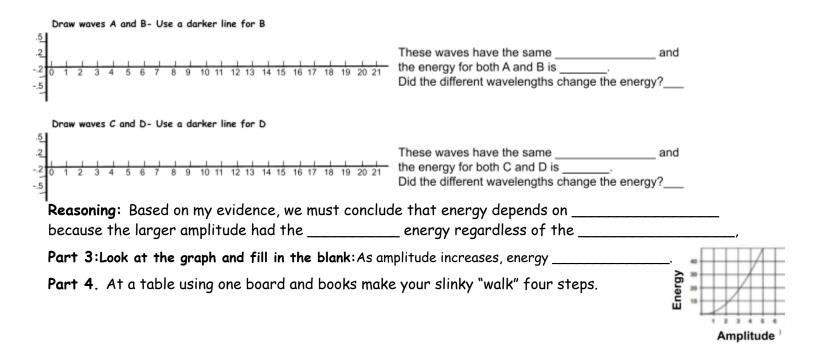
8th S	cience	Slinky Lab	Date	Period	Name
		s of the wave (use		1 61 10 4	1441110
ampli	itude, crest, 1	trough, wavelength	ı	1 ~	3 /
			/		\
			/	\	.\.\.\.\.\.
		terials (slinky). Do			•
					o! Do not mangle slinky.
					e. Try and repeat three times with nis wave/pulse as it moves.
					oring towards the <b>end</b> of its movement?
		gets: circle one:		bigger	<b>3</b>
		ne amplitude do this	s?		
4. [	Oraw what this	wave looks like.			
5. I	KEEP THE WA	VE SPEED THE SA	ME. Make a wo	ive that has a	a large amplitude with the Slinky.
•		ave with a small am	•		
		•	<b>3</b> ,		rge amplitude or small amplitude
				•	carrying more energy.
Provi	de your evide	<b>nce:</b> My evidence is	s that when mo	iking the larg	ge amplitude wave
Dage	enine: How do		nnont vous ala	im? Pered on	my puidence it can be concluded
	_	-			n my evidence, it can be concluded
mai	u	ampiriude waves	curry more en	lergy becaus	
0+h c					Name
		Slinky Lab	Date	Period	Name
<u>ampli</u>	i tne four part i <b>tude  crest</b>	s of the wave (use trough, wavelength	vocab): 1	4	3
		oug, wave.eng	/	$\wedge$	<u> </u>
			/	\/	.\ <i>,</i> ([ <del>*</del> .(
Part	1: Gather ma	terials (slinky). Do	not overstre	tch the slin	kv \ 2
					o! Do not mangle slinky.
					e. Try and repeat three times with
					nis wave/pulse as it moves.
					oring towards the <b>end</b> of its movement?
-		gets: circle one:		bigger	
<b>4</b> 1		ne amplitude do this wave looks like.	5/		
7. L	Ji aw wha i inis	wave looks like.			
5. I	KEEP THE WA	VE SPEED THE SA	ME. Make a wo	ive that has a	a large amplitude with the Slinky.
6.		ave with a small am			
	Which move	ment required more			
	a claim: The			•	carrying more energy.
Provi	de your evide	<b>nce:</b> My evidence is	s that when mo	iking the larg	ge amplitude wave
Dage	onina: How doe	es vour evidence du	nnort your cla	im? Rased on	n my evidence, it can be concluded
	_	es your evidence su _ <b>amplitude waves</b>			

Part 2: Below is a table with information about waves in the ocean:

Wave	Amplitude (meters)	Wavelength (meters)	Energy (Joules)
Α	0.20	3.0	300
В	0.20	7.0	300
С	0.50	3.0	1000
D	0.50	7.0	1000

Claim: Which wave characteristic does the energy of the wave depend on? (it is either amplitude or wavelength) The energy of a wave depends on \_\_\_\_\_\_.



Part 2: Below is a table with information about waves in the ocean:

Wave	Amplitude (meters)	Wavelength (meters)	Energy (Joules)	Claim: Which wave characteristic does the	
Α	0.20	3.0	300	energy of the wave depend on? (it is either	
В	0.20	7.0	300	amplitude or wavelength) The energy of a wave depends on	
С	0.50	3.0	1000		
D	0.50	7.0	1000		

