f water into a flask. Add her.)	5 drops of phenolpthale	in. (Wait for your teacher	. They may want
		enolpthalein mixture and	bubble your
AND STRAW CAREFUL	LY.		
water into the flask. Add together.)	d 5 drops of phenolpthal	ein. (Wait for your teach	er. They may
	-	n through the straw into th	ne
			ds. Gently swirl
AND STRAW CAREFUL	LY.		
water into the flask. Ad	d 5 drops of phenolpthal	ein.	
Your name:	Partner's name:	Average	Closs Averages
# of drops of NaOH	# of drops of NaOH	You + partner 2	Class Averages
	f water into a flask. Add ther.) minute. Put the end of a ter for exactly 15 second by drop until the water shumber of drops of NaOl AND STRAW CAREFUL water into the flask. Ad together.) gorously for 1 minute and ein solution for exactly 1st by drop into the beaker h drop. Record the number AND STRAW CAREFUL water into the flask. Ad	f water into a flask. Add 5 drops of phenolpthale ther.) minute. Put the end of a straw into the water/pheter for exactly 15 seconds. by drop until the water stays pink for at least 15 number of drops of NaOH used to keep the water AND STRAW CAREFULLY. water into the flask. Add 5 drops of phenolpthal together.) gorously for 1 minute and then bubble your breather solution for exactly 15 seconds. by drop into the beaker until the solution stays pend for the number of NaOH drops used AND STRAW CAREFULLY. water into the flask. Add 5 drops of phenolpthal water into the flask. Add 5 drops of phenolpthal Partner's name: Your name: Partner's name:	minute. Put the end of a straw into the water/phenolpthalein mixture and ter for exactly 15 seconds. by drop until the water stays pink for at least 15 seconds. Gently swirl the number of drops of NaOH used to keep the water pink on the chart below. AND STRAW CAREFULLY. water into the flask. Add 5 drops of phenolpthalein. (Wait for your teach together.) gorously for 1 minute and then bubble your breath through the straw into the pen solution for exactly 15 seconds. by drop into the beaker until the solution stays pink for at least 15 second drop. Record the number of NaOH drops used on chart below. AND STRAW CAREFULLY. water into the flask. Add 5 drops of phenolpthalein. Your name: Partner's name: Average You + partner

ENERGY USE LAB

You will be using NaOH (sodium hydroxide) to test for the presence of carbon dioxide. The more drops of

This lab will help you learn what happens to the amount of energy your body uses during different activities. We will measure your energy use indirectly by measuring the amount of carbon dioxide waste your

NaOH you must use in the experiment, the more carbon dioxide you produced and the more energy you

body produces. The more carbon dioxide you produce, the more energy you used up.

used.

Period _____

2. The more NaOH you added to keep the solution pink, the	more carbon dioxide you produced.
a. When did you add the most NaOH?	noro carson alonias yea produced.
b. When did you produce the most CO2?	
c. When did you use the most energy?	
d. When did your cells do the most cellular respiration?	
3. Plants produce carbon dioxide also. Do plants use energy	?
	sa hava on tha amount of carbon diovid
Look at the classroom averages. What effect does exerciproduced? How does this relate to cellular respiration? Use	
	specific data to support your answer.
produced? How does this relate to cellular respiration? Use	ead rise.) Do yeast cells use energy?
produced? How does this relate to cellular respiration? Use 5. Yeast cells produce carbon dioxide (That's what makes br 6. Look at the classroom results. Do people use energy to describe the control of the control	ead rise.) Do yeast cells use energy?

Math Problems