



Name	Teacher	Period
		Date

Question: How does exercise affect your pulse rate?	Answer Yes or No in each column										
<p><b>Student Argument #2</b></p> <p>Our pulse rates increased after exercising because we were using energy. Our group completed five trials where one student measured their pulse rate before and after exercising and did jumping jacks for 30 seconds. The mean pulse rate before exercise was 62 beats a minute and after exercise increased to 94 beats a minute. We learned in science class that when you exercise, your muscles burn stored energy and need more oxygen. Your blood brings the oxygen to your muscles. The harder you exercise, the faster your heart beats to deliver the oxygen.</p>	Does <u>Claim</u> answer THE question asked?	Does <u>Claim</u> explain the cause and effect of an event (e.g. ___ because ___)?	Is this Claim a complete sentence?	Does Evidence include TREND or pattern over multiple trials, samples, or observations without inferences? e.g. mean, median, mode, frequency, Range	Are multiple trials, tests or observations reported and analyzed? (RELIABILITY)	Is the Evidence ACCURATE and/or APPROPRIATE for the data and question given?	Is there more than one piece of appropriate evidence? (ENOUGH evidence)	Includes appropriate science vocabulary	Explains the science facts (big ideas) behind the Evidence and Claim correctly	Answers why or how the Evidence supports claim (Connects E & C)	Total Score (add Yes in all columns not shaded)
	C1	C2	C3	E1	E 2	E3	E4	R1	R2	R3	Total Score
	Underlined Sentences			Numbered Sentences				Circled sentences			Total Score

**Answer the following questions:**

Which argument, Argument #1 or Argument #2, is the strongest?

Why?