

STUDENT GUIDE

EXPLORE 1A LESSON 16



Part 1: Our Motivation

Record what we were trying to figure out that led to this investigation.



Part 2: Analyzing and Interpreting Data

Using the Lesson 16 Data Set handout, review the experiments that scientists conducted to measure the changes in oxygen used in moderate and intense exercise. Summarize the methods that they used and the data they collected.

Study 1	Study 2



Compare the methods from the two studies. Are they similar or different? Is the data collected similar or different?

--

Review the data scientists collected and record your observations about how the amount of oxygen used compares in moderate and intense exercise.

Study 1	Study 2

Compare the findings from the two studies. Explain if you think the findings are consistent with one another and why.

What conclusions can you draw about the differences between oxygen use in moderate and intense exercise from these studies?

How did the lens of stability and change help you analyze the data in these two studies? Based on this study and others we have analyzed previously, what can you conclude about stability and change in the human body?