

# Summing Up Lactase Persistence and Nonpersistence

Name: \_\_\_\_\_

In this activity, you learned a lot about lactase persistence and lactase nonpersistence. To help you summarize what you learned, answer each question below.

## Questions

1. Do humans vary in their ability to digest lactose? What is the evidence for your answer?
2. Can the ability to digest lactose as an adult be passed from parents to offspring? What is the evidence for your answer?
3. Describe how mutations to DNA are important in lactase persistence and nonpersistence.
4. In certain environments, did digesting lactose seem to affect an individual's ability to survive and reproduce? Explain.
5. What's the evidence that the frequency of the mutation that causes lactase persistence changed in certain groups of people over time?