Name Period Date

Unit 1	Handout _____

Lesson 7: Bacteria in Yogurt

Purpose:	To attempt to identify how many different species of bacteria are found in a sample of organic yogurt.
Guiding Question:	How do scientists classify bacteria? What are the shapes and arrangements of bacteria?

Procedure. You will observe a sample of organic yogurt under high power on your microscope. You will be able to see thousands of individual bacteria. However, it is your goal to figure out how many different types of bacteria there are. How will you do this? Look for the different shapes and arrangements of the bacteria.

Data. In the table below, draw enlarged versions of the shapes and arrangements of the bacteria you observe. Then, write down the English shape and arrangement AND write down the Latin shape and arrangement of the bacteria. **You may not need all of the space provided.**

Enlarged Drawing	English Arrangement and Shape	Latin Arrangement and Shape

Extending. Answer the questions below by going to 7bscience.com and using the links provided to find more information. Write 1-3 complete sentences for each question.

1. All of the bacteria you observed are considered probiotics. What is a probiotic?

2. What are some different benefits of probiotics? (See list under Ailments)

3. What are the name of the bacteria found in the yogurt? (Use the StonyField link. Click on Nutrition Facts after the page loads). Write the information in the data table below. Make a row for each bacteria.

Then, look up pictures of each one and write down their shape and arrangement in English and Latin.

Bacteria Name	English Arrangement and Shape	Latin Arrangement and Shape