

Unit : Handout :
1 : _____ :

Lesson 7: Observing Bacteria

Purpose:	To observing living species of bacteria and to apply our knowledge of bacteria to answer questions about these species
Guiding Questions:	What are bacteria? How are bacteria classified?
General Instructions:	Prepare and observe four wet mount slides of the four different bacteria at high magnification. Make detailed drawings of each and then answer the questions that follow. No labels are necessary.

Take pictures of your scientific drawings and place them on this page. You will have 4 drawings in total! Answer questions on the next page.

Reflecting Questions. Answer the following questions below.

1. What shape is the **Anabaena** bacteria?

English _____ Latin _____

2. What arrangement is the **Anabaena** bacteria?

English _____ Latin _____

3. Combine the Latin shape and arrangement names to describe the appearance of the **Anabaena** bacteria. _____

4. What shape is the **Oscillatoria** bacteria?

English _____ Latin _____

5. What arrangement is the **Oscillatoria** bacteria?

English _____ Latin _____

6. Combine the Latin shape and arrangement names to describe the appearance of the **Oscillatoria** bacteria. _____

7. What shape is the **Merismopedia** bacteria?

English _____ Latin _____

8. What arrangement is the **Merismopedia** bacteria?

English _____ Latin _____

9. Combine the Latin shape and arrangement names to describe the appearance of the **Merismopedia** bacteria. _____

10. What shape is the **Spirulina** bacteria?

English _____ Latin _____

11. What arrangement is the **Spirulina** bacteria?

English _____ Latin _____

12. Combine the Latin shape and arrangement names to describe the appearance of the **Spirulina** bacteria. _____

(Continue to next page!)

Name

Period

Date

13. What color were the bacteria? _____

14. What does that color likely tell you about the bacteria you observed? Connect this to other green microorganisms we've seen.

15. What niche do these bacteria have? (What is their role within an ecosystem)?

16. Hopefully you observed the *Oscillatoria* moving. What benefit do you think the movement gives to the *Oscillatoria*?