

“How Does Competition Affect Population Growth?”

On-Line Activity Questions

http://glencoe.mcgraw-hill.com/sites/0078759864/student_view0/unit1/chapter4/virtual_labs.html#

Directions: Go to the website listed above. Click on the link for “Population Biology.” Answer the questions below using complete sentences. You may have to search the information screens for the answers to some of the questions.

1. What is the genus name of the organisms being studied?
2. Describe the relative size of the organisms being observed in this experiment.
3. What type of growth occurs when an organism is living under “ideal conditions”?
4. What happens to the rate of relative growth after a population has been experiencing a period of rapid growth for awhile?
5. What could cause this change in growth rate?
6. What term do we use to describe the populations size when it has reached a point where it remains stable after it has grown for awhile?
7. What kind of competition occurs among member of the same species?
8. If two different species grow at different rates and are competing for the same food source, which one will usually win the competition?

Name: _____ Date: _____ Block _____

9. The two species in this experiment are Paramecium _____ and Paramecium _____.
10. Notice that the scientific names of the 2 organisms being studied each have two names the _____ name and the _____ name.
11. Which name is always capitalized? _____
12. In this simulation the microscope slide holds ____ ml which means you must multiply by __ to obtain the number of individuals in 1 mL or cells/mL.
13. How long does it take to conduct this experiment? _____
14. Graph the data on a separate piece of graph paper.
15. What is the independent variable in this experiment? _____
16. What conclusions can you make after studying that data and the graph?
List at least 2.