

How I Am Being Assessed

Understanding Concepts

1. (a) Write your definition of a pest.

- (b) Give an example of an organism you consider a pest and explain why you consider it a pest.

2. Explain what might happen if your pest were eliminated from the ecosystem.

3. Give two examples of biotic factors and two examples of abiotic factors in

- (a) a lake ecosystem

- (b) a forest ecosystem

4. Using examples, describe how a population is different from a community.

5. What two main factors determine climate? Describe in your own words how these factors determine the kinds of organisms that can live in a particular area.

Applying Inquiry Skills

6. Figure 3 shows changes in the size of the populations of paramecia (single-celled organisms) placed in three different beakers.

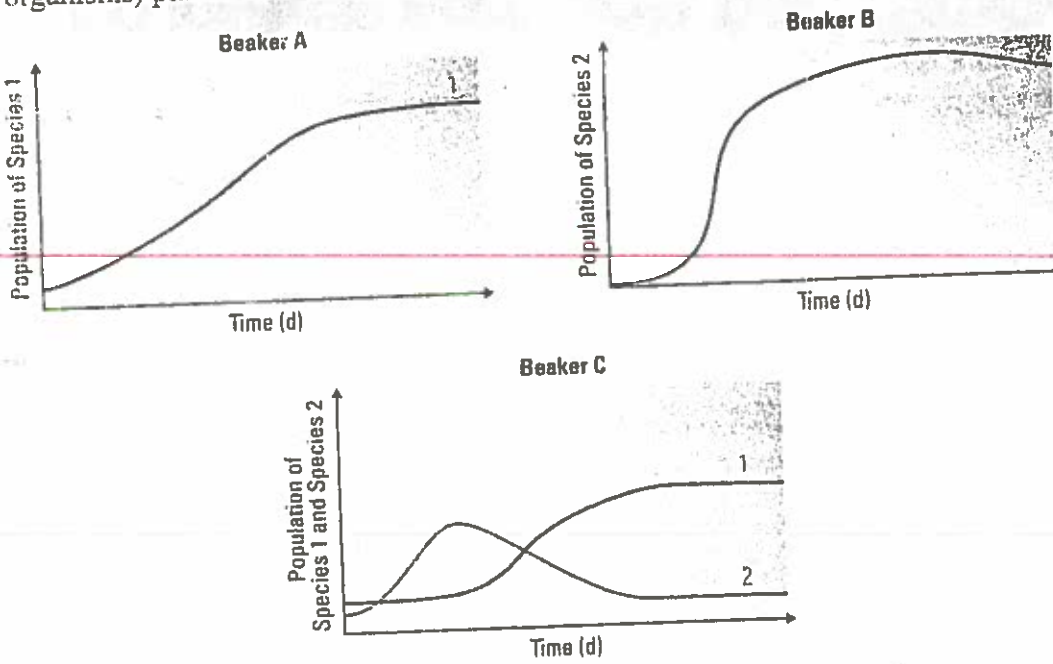


Figure 3

Graphs showing changes in populations of paramecia in three beakers.

- (a) Compare the growth of Species 1 in Beaker A with the growth of Species 2 in Beaker B.

- (b) What evidence suggests that the populations of paramecia affect each other?

- (c) Suggest a conclusion that can be drawn from the population changes in Beaker C.
