

15. A country may have a negative growth rate if its

- A. population is mostly young people
- B. birth rate is higher than its death rate

- C. death rate is higher than its birth rate
- D. population has access to health care

16. One difference between predators and parasites is that parasites

- A. usually do not cause the immediate death of the organism on which they feed
- B. feed only on the inside of other organisms
- C. are always microorganisms
- D. are not anatomically or physiologically specialized

Short Answer

1. Describe the stages of primary succession and compare primary succession and secondary succession.

Primary succession is the orderly sequence of life moving into an otherwise lifeless area for the first time (newly formed island). Secondary succession is the same except that life once existed there but was wiped out (volcano, fire, logging).

2. Describe the curve to the right, and explain what is happening at each of the numbered steps. What is the name of step 3?

- ① we start with low numbers but they are growing exponentially
- ② the numbers are increasing very rapidly (exponential growth)
- ③ limiting factors cause the reproduction rates to slow this is carrying capacity.



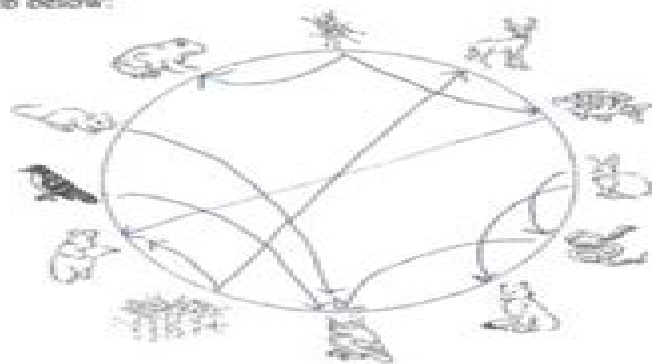
3. Describe the Predator-Prey Cycle and use the graph of lynx and hare populations to help your explanation.

Prey numbers rise first, then predator numbers follow. When predators are too high the prey decreases rapidly which leaves inadequate food for the predators so they also drop.



4. Draw arrows to complete the food web below:

arrows go from food source to animals they feed!



# Immunity Pogil Ap Biology Answer Key

**Rachel S Tattersall**



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