I. What is Population Growth Rate?	
A. = the amount by which a population	
B. Populations continually change in	over time.
A. No population will B. Factors a. Death Rate (D) = number of	rate? indefinitely.
b. Birth Rate (R) = number ofc. Immigration (I) = number moving	population
d. Emigration (E) = number moving	population
III. What must occur for a population to incre	ease in number?
A. Birth /Immigration rate must be	than death /emigration rate
В.	
IV. What types of specific interactions or even decline?	its would cause a population to
A. Predation-prey () p	opulations
depending on the size of the predator () population
a. Predator/prey populations	
b. When prey are numerous their predators	in number (more food),
the prey population (less food	d), which causes the predator numbers
to .	
c. The prey population eventually	, starting a new cycle.
B. Competition – fighting over some will win and sur	vive, others die
С.	
V. Why can't populations grow indefinitely?	
A. Resources are	
B. Competition for resources cause some orga	nisms to die.
C. If resources were	, populations could grow to

, but this is usually

the case.

Population Dynamics