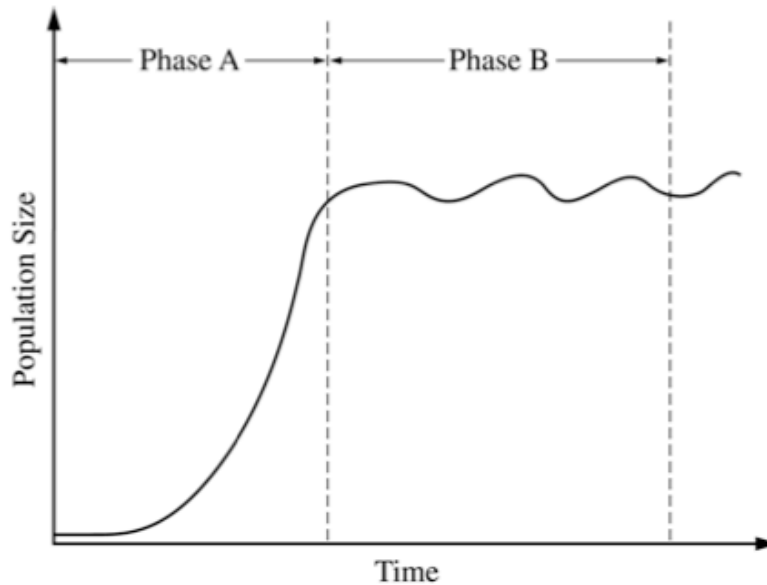


Name \_\_\_\_\_

# AP BIOLOGY EXAM TWELVE FREE RESPONSE QUESTION

Many populations exhibit the following growth curve:



- Describe what is occurring in the population during phase A.
- Discuss **THREE** factors that might cause the fluctuations shown in phase B.
- Organisms demonstrate exponential ( $r$ ) or logistic ( $K$ ) reproductive strategies. Explain these two strategies and discuss how they affect population size over time.