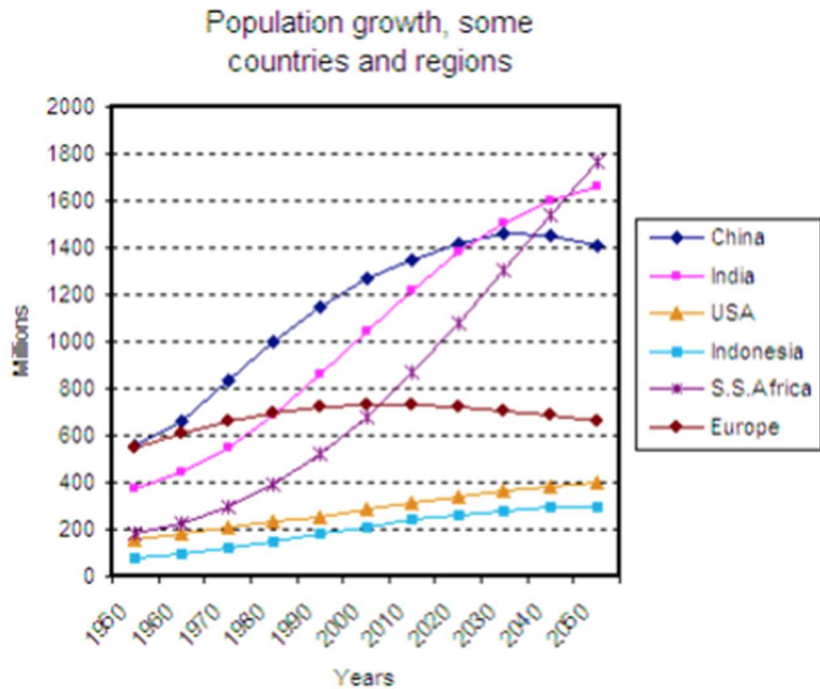


POPULATION PRACTICE PROBLEMS

Complete each of the following questions as a review for the quiz. When you are done use the answer key on Blackboard to make sure you have the correct answers.

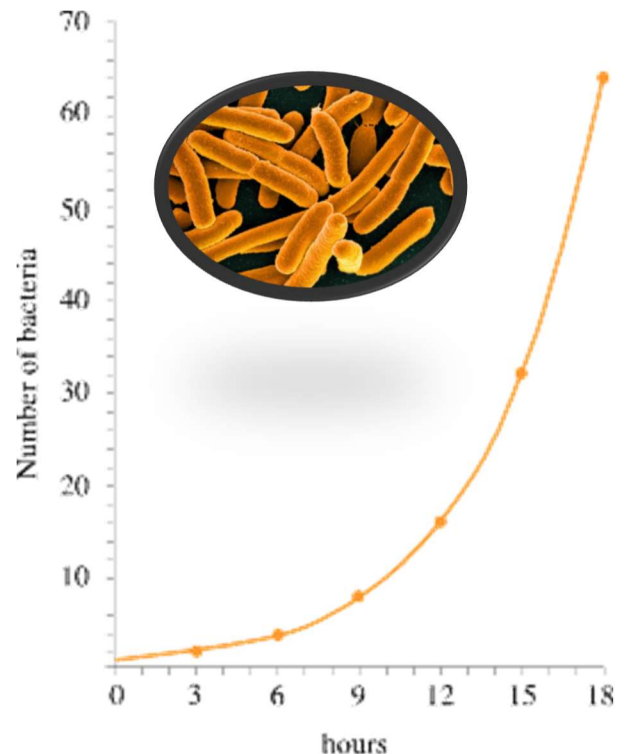
1 a. Which country looks like it is experiencing exponential growth?

b. Which country looks like it has reached its carrying capacity?



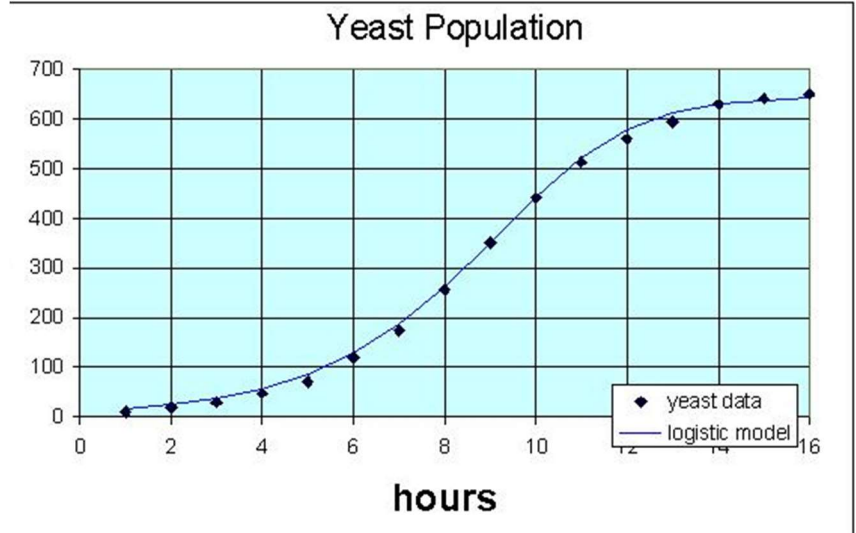
2 a. What kind of growth is this bacteria population showing?

b. What kind of environment is necessary for exponential growth? Name at least 2 aspects of this environment.



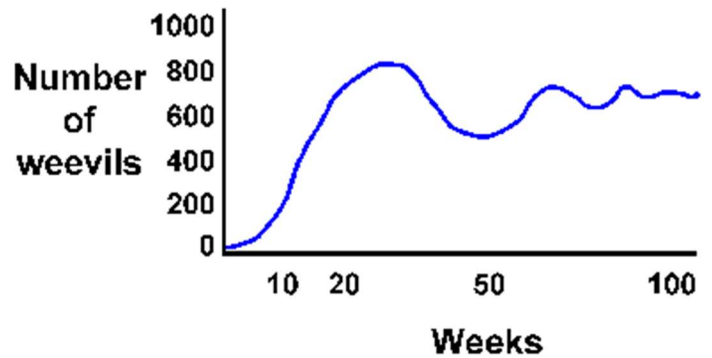
3. This graph shows the growth of a yeast population.

a. Define carrying capacity.



b. What is the carrying capacity of the yeast's environment?

4 a. What kind of growth model does this graph show?



b. What is the carrying capacity of the weevils' environment?

c. At around how many weeks does the weevil population show the effects of limiting factors?

d. What are two examples of limiting factors?

5. This graph shows the change in population size for rabbits and foxes over time.

a. Identify the predator and prey in this relationship.

b. Describe the relationship between the rabbit and fox populations as time goes on.

c. When the rabbit population declines does the fox population decline just as rapidly? Defend your answer.

