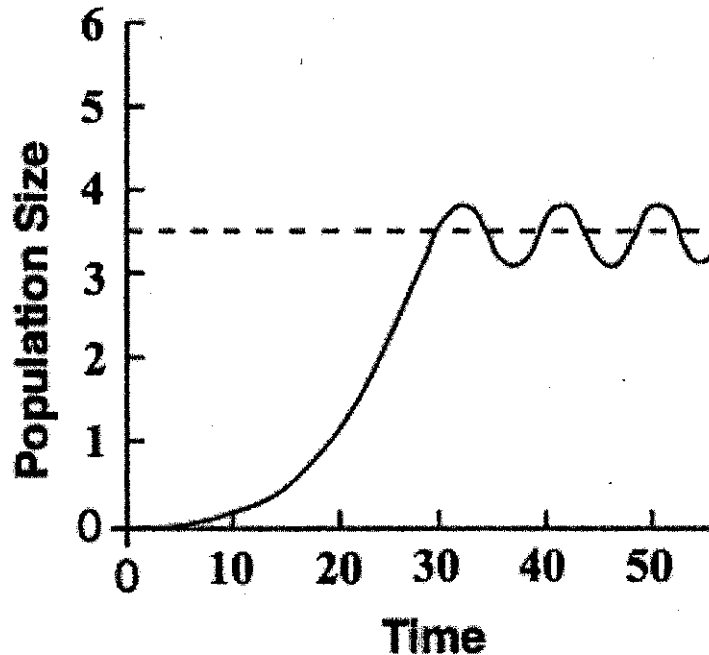


Worksheet

The graph below shows how the size of a population (in thousands) varies over time (in years). Examine the graph and answer the questions below.



1. Describe the rate of population growth during each of the following time periods:

- a) 0 to 10 years slow growth
- b) 15 to 25 years fast growth
- c) after 30 years at carrying capacity

2. What does the dotted line represent? carrying capacity

3. Estimate the carrying capacity of the ecosystem for this species. 3500

4. Why do you think the population size goes up and down after year 30?

- when above carrying capacity, pop. shrinks
- when below - - - , pop grows
- _____
- _____
- _____