

Name: \_\_\_\_\_

Per: \_\_\_\_\_

## Fluctuations in Population Size Study Guide

MT: Ecology

1. List and describe the four factors that can change a population's size.
  - a.
  - b.
  - c.
  - d.
  
2. A population of hares reproduces in the spring. This year, 1,200 babies were born, 997 hares died, 40 emigrated in search of mates, and 30 new hares immigrated to their population in search of mates. What is the overall change in population? Show work.
  
  
  
  
  
  
  
  
  
  
3. Compare and contrast the two types of population growth.
  
  
  
  
  
  
  
  
  
  
4. In nature, which type of population growth is most common and why? Sketch a picture of the graph that goes along with your answer.
  
  
  
  
  
  
  
  
  
  
5. Carrying capacity is the maximum number of individuals in a population that an environment can support because of its resources of food, shelter, and mates. What are 3 possible situations that could change the carrying capacity of a population?
  
  
  
  
  
  
  
  
  
  
6. Predict at least 3 reasons why an individual of a population would immigrate to a new area.