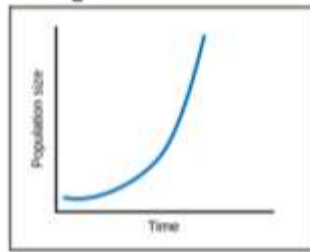
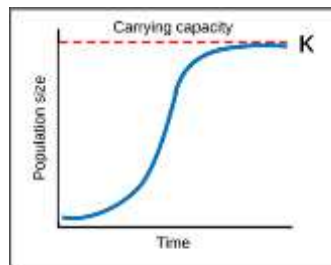


AIM:**1. Exponential Population Growth:****Biotic Potential:**

- A. maximum rate at which a population could increase when there are no limits on its rate of growth (ideal conditions exist)
- B. Biotic potential is influenced by:
1. age at which reproduction begins
 2. # of offspring per event
 3. reproductive rate/frequency
 4. timespan of organism's reproductive activity

2. Logistic Growth:**Carrying Capacity (K):**

is the maximum population size of a species that the environment can sustain indefinitely in a given space

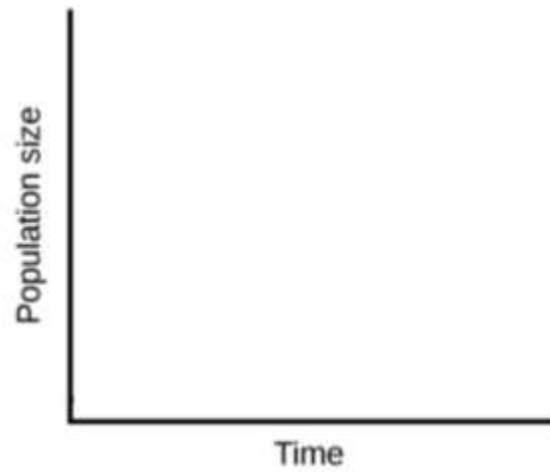
Environmental Resistance – all of the factors acting jointly to limit the growth of a population

Examples of Environmental Resistance:

1. light
2. water
3. physical space
4. nutrients
5. number of predators
6. disease

3. Population Overshoots

a.



b.

