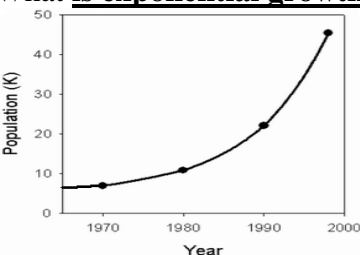
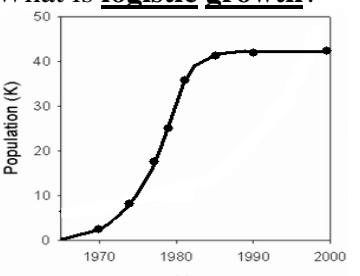
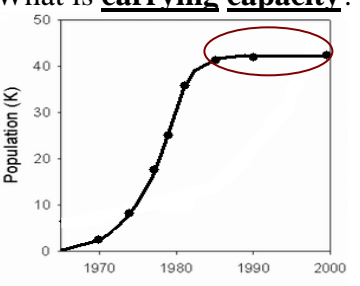


<p>Class Notes</p> <p>Population Dynamics</p> <p>Questions/Main Idea:</p>	<p>Name: _____</p> <p>Period: _____</p> <p>Date: _____</p> <p style="text-align: center;">Notes:</p>
<p>What characteristics are used to describe a population?</p>	<ul style="list-style-type: none"> • Population Density - number of individuals in a given place • Geographic distribution – describes the area inhabited by the population • Growth rate – describes how fast the size of the population changes
<p>Describe the four factors that affect population size.</p>	<ul style="list-style-type: none"> • Births – number born (N=natality) • Deaths – number that die (M=mortality) • Immigration – number that move into an area (I=in) • Emigration – number that move out of an area (E=exit)
<p>What is exponential growth?</p> 	<ul style="list-style-type: none"> • Exponential Growth –the population continually increases without limitation • Rare! <ul style="list-style-type: none"> • Ex: Bacteria grown in a lab culture
<p>What is logistic growth?</p> 	<ul style="list-style-type: none"> • Logistic Growth – the population growth slows or stops after a period of exponential growth <ul style="list-style-type: none"> ▪ Most populations! ▪
<p>What is carrying capacity?</p> 	<ul style="list-style-type: none"> • Carrying capacity – the maximum number of individuals that a given environment can support <ul style="list-style-type: none"> ▪ What part of the graph represents the carrying capacity?
<p>What is a limiting factor?</p>	<ul style="list-style-type: none"> • Limiting factor – a factor that causes population growth to decrease • Limiting factors determine the carrying capacity for a given area. • List some... <ul style="list-style-type: none"> ▪ food and space availability, competition, disease ▪ harsh seasons, natural disasters, human activities
<p>What is population crash and what makes it happen?</p>	<ul style="list-style-type: none"> • Crash – population drastically decreases over a short period of time. <ul style="list-style-type: none"> ▪ e.g., run out of food, introduction of new species
<p>Summary:</p>	

