

# Notes Outline "Interdependence of Organisms II"

## Chapter 5.1 "How Populations Grow"

### -Describing Populations (🔑) (130)

- Geographic Range*
- Density and Distribution*
- Figure 5-2 Captions and Drawing*
- Growth Rate*
- Age Structure*

### -Population Growth (🔑) (132)

- Birthrate and Death Rate*
- Immigration and Emigration*
- Figure 5-3 Captions and Drawing*

### -Exponential Growth (🔑) (132)

- Organisms that Reproduce Rapidly*
- Organisms that Reproduce Slowly*
- Figure 5-4 Captions and Graphs*

### -Logistic Growth (134)

- Phases of Growth*
  - >Phase 1: Exponential Growth
  - >Phase 2: Growth Slows Down
  - >Phase 3: Growth Stops
- The Logistic Growth Curve (🔑)*
- Figure 5-5 Captions and Graph*
- Carrying Capacity*

## Chapter 5.2 "Limits to Growth"

### -Density-Dependent Limiting Factors (🔑) (138)

- Competition*
- Predation and Herbivory*
  - >Predator-Prey Relationships
  - >Herbivore Effects
  - >Humans as Predators
- Parasitism and Disease*
- Stress from Overcrowding*

### -Density-Independent Limiting Factors (🔑) (140)