

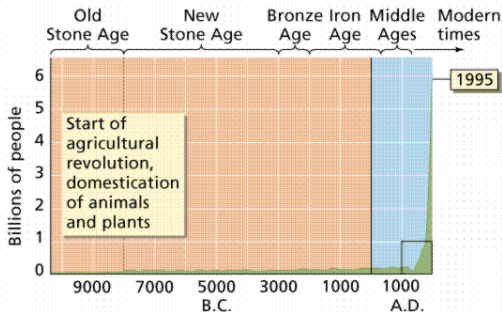
# Human Population Growth

## Human Population

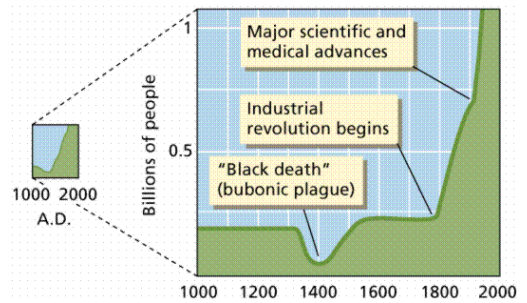
### • Demography

- The study of human population size
- Uses
  - Census
  - Birth rate (live births/1000 people)
  - Death rate (deaths/1000 people)
  - Birth rate – death rate = Population Growth Rate (PGR)

### Human Population over the Ages



### Human Population Growth, cont.



### Human Population Growth, cont.

- Earth's human population continues to grow
- Earth's human carrying capacity is unknown
- Current population: 7.6 billion



### Human Population Growth: Reasons

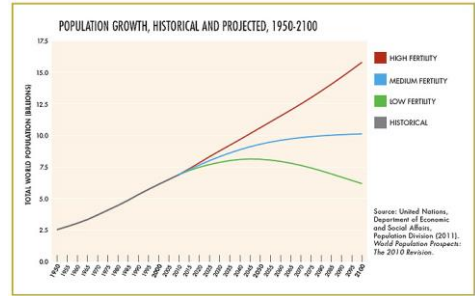
- Technology has helped to increase Earth's carrying capacity and population
  - Gas-powered farm equipment
    - Access to food
  - Medical advancements
    - Antibiotics, vaccinations



## Human Population Clock

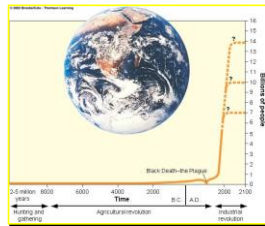
<http://www.worldometers.info/world-population/>

## Projected Human Population Growth



## Think-Pair-Share

- As human population grows, what might be the impact on the following:
  - Resource use and waste
  - Loss of biodiversity (different species in a given area)
  - Global climate change

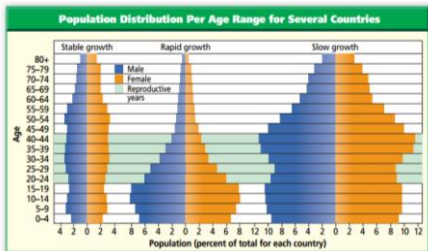


## Human Population Growth Reading

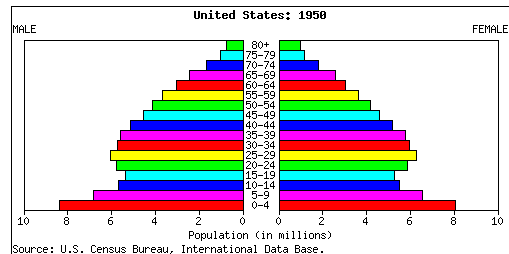
- Read Critical Reading: Human Population Growth
- Answer questions on back
- Turn in for a grade

## Age Structures

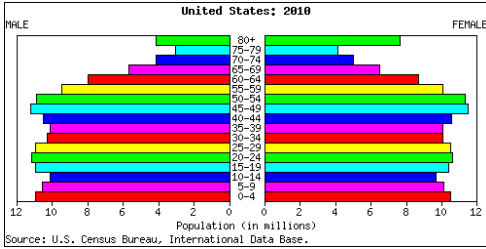
- Proportions of the population that are in different age levels



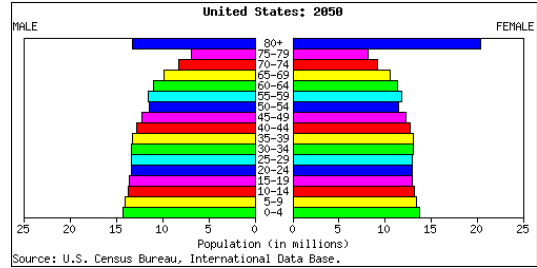
## United States Age Structures



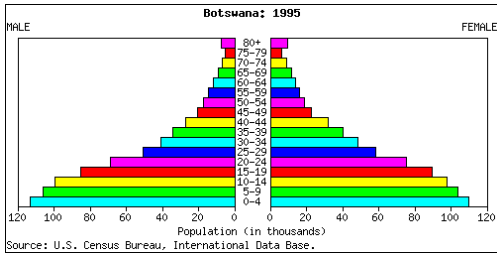
### United States Age Structures



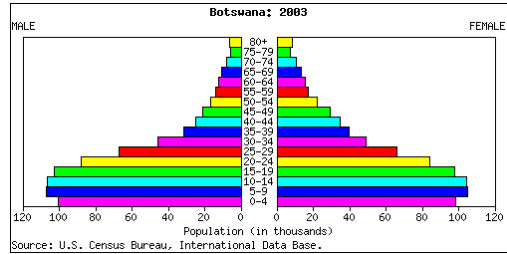
### United States Age Structures



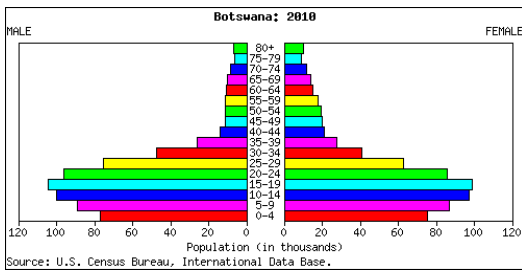
### Botswana Age Structures: Before and After HIV



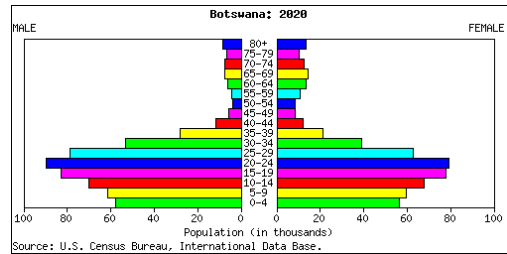
### Botswana Age Structures: Before and After HIV



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### Botswana Age Structures: Before and After HIV



## Interpreting Ecological Data Worksheet

- Complete worksheet
- Turn in for a grade