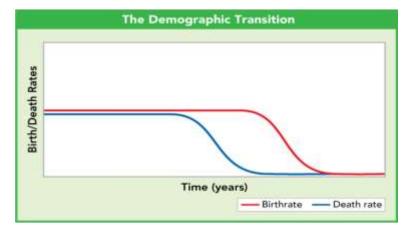
## ClassLink → Pearson → Pearson Realize → Orange Heading "Biology" → Interactivity: Human Population Growth

- 1. Human Population Growth: Analyze the graph about the history of the human population of Earth
  - a. What appears to have been the carrying capacity of humans for most of human history?
  - b. Which 4 important events of human history are given?
  - c. Of these 4 events, which two events appear to have increased the human carrying capacity on Earth?
  - d. Which density-dependent limiting factor is given in the graph?
  - e. How long has the human population on Earth been greater than 1 billion?
- 2. Human Population Growth Rates 1950-2050: Analyze the given graph
  - a. According to the graph what is the estimated human population for the year 2042?
- 3. Demographic Transition: Use the information given to show the 3 stages of demographic transition
  - a. Divide the given graph into the three stages of demographic transition and label the stages:



#### **EXIT THE INTERACTIVITY AND BEGIN THE SIMULATION FOR SECTION 5.3**

ClassLink → Pearson → Pearson Realize → Orange Heading "Biology" → Simulation: Investigate Population Growth Rates

- 1. **Population Growth:** Read the information given about population growth
  - a. What 4 factors affect population growth?
  - b. What 5 factors affect a country's human population growth?
- 2. Studying Growth Rates: Read the information given about population growth rates
- 3. Population Growth Rates: Read the information given about demographic transition
  - a. Describe what happens during the 3 stages of demographic transition:

Stage 1:

Stage 2:

Stage 3:

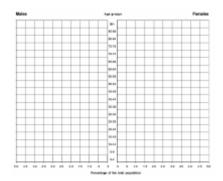
b.	What stage	do vou	think the	USA	could be in?
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c. Fill in the table by reviewing the data given:

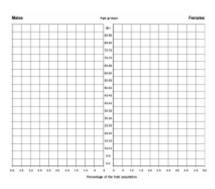
<u>Birthrate</u>	Type of Country	High Death Rate	Low Death Rate
High Birthrate			
Low Birthrate			

d. How did the demographic transition graphs of Angola and Kenya differ from the graphs of Denmark and Canada? Sketch the <u>rough</u> shape of a demographic transition graph for developing countries and developed countries:

**DEVELOPING:** 



**DEVELOPED:** 



### 4. Record Data:

a. Fill in the table (don't fill it in on the computer) using the given country data:

Country	Birth Rate (per 1000)	Death Rate (per 1000)	Immigration Rate (per 1000)	Growth Rate (per year)	Median Age (years)	Life Expectancy (years)
Angola						
Kenya						
Canada						
Denmark						

# 5. Drawing Conclusions:

a.	Based on the data, determine which stage of demographic transition each country is in, AND EXPLAIN WHY:
	Angola:

Canada:

Denmark:

Kenya:

### 6. **Drawing Conclusions:**

Э.	Based on the data, make a prediction about the population growth of each country; will it increase, decrease
	or stabilize?

Angola:

Canada:

Denmark:

Kenya: