

# Laboratory: Human Population Growth

Mrs. Côté

Answer Key

Enviro. Science 120

## Pre Lab Work:

Before beginning this laboratory, answer the following questions on your own piece of paper in your notebook:

- Define the following terms:
  - growth rate – describes how fast a population is increasing or decreasing and is dependent upon the birth rate and death rate
  - birthrate – is the number of infants born in a given year/1000 people in the population
  - death rate – is the number of people who die in a given year/1000 individuals in the population
  - zero population growth – when the population is in equilibrium or the number of births and deaths are equal
  - developed country – countries that highly developed economy and advanced technology
  - developing country – countries that are considered to have low standard of living, and undeveloped industrially
  - demographic transition – refers to the transition from high birth and death rates to low birth and death rates
- What is a population explosion? How quickly is our population growing each year? What about each day?  
A population explosion is when a population lacks limited resources so is able to grow out of control. The human population is grows about 80 million a year and 219, 178 each day.
- How is the growth rate of the human population calculated?  
 $\text{Growth rate} = \text{birth rate} - \text{death rate}$
- What causes a negative population growth? What causes a positive population growth?  
Negative population growth occurs when the birth rate is less than the death rate  
Positive population growth occurs when the birth rate exceeds the death rate
- Why do the two graphs appear to have a different shape?  
The population growth rate was much slower in the earlier years. The J-curve shows exponential population growth and the graphs are not drawn to the same scale.
- Using a piece of paper, create the following charts:

Country	Birthrate (%)	Death rate (%)	Population Growth 2005	Population Growth 2050	Demographic Transition	Relative Place in Transition	Sketch graph showing Blue & Pink Line
USA	2.06	0.51	0.92	-0.06	1.55	5	

# Population Dynamics Lab Answers

**Scott C. Dulebohn**



## **Population Dynamics Lab Answers:**

## Embracing the Tune of Appearance: An Psychological Symphony within **Population Dynamics Lab Answers**

In a global consumed by screens and the ceaseless chatter of instant conversation, the melodic beauty and mental symphony developed by the published word often fade in to the back ground, eclipsed by the constant sound and disturbances that permeate our lives. Nevertheless, nestled within the pages of **Population Dynamics Lab Answers** a wonderful literary value brimming with raw feelings, lies an immersive symphony waiting to be embraced. Constructed by an elegant musician of language, that charming masterpiece conducts viewers on an emotional trip, skillfully unraveling the hidden melodies and profound affect resonating within each cautiously constructed phrase. Within the depths of this emotional assessment, we can discover the book is main harmonies, analyze their enthralling publishing fashion, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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