

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?
Growth rate = birth rate – 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 Density Lab Answer Key

Victor M. Corman

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Population Density Lab Answer Key:

Whispering the Secrets of Language: An Emotional Journey through **Population Density Lab Answer Key**

In a digitally-driven earth wherever monitors reign supreme and quick interaction drowns out the subtleties of language, the profound secrets and emotional nuances concealed within phrases frequently go unheard. Yet, set within the pages of **Population Density Lab Answer Key** a captivating literary prize blinking with natural thoughts, lies a fantastic quest waiting to be undertaken. Written by a skilled wordsmith, this marvelous opus invites readers on an introspective journey, lightly unraveling the veiled truths and profound affect resonating within the very material of each and every word. Within the mental depths of the moving evaluation, we shall embark upon a genuine exploration of the book's key themes, dissect its fascinating publishing design, and fail to the strong resonance it evokes deep within the recesses of readers' hearts.

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