

## APES Study Guide: The Human Population and Urban Environments

### Vocabulary (Know these terms)

Zero Population Growth	Population Momentum
Growth Rate	Infant Mortality Rate
Disparity	Affluence
Prediction	Projection
Dependency Ratio	Demography
Developed	Developing
Crude Birthrate	Immigration
Crude Death Rate	Emigration
Total Fertility Rate	Demographic Transition
Epidemiological Transition	Fertility Transition
Replacement-Level Fertility	J-Curve
Baby Boom	Age-Structure Diagram ( <i>population profile</i> )
Family Planning	Doubling Time
Birth Control	Population dynamics
demography	Fall Line
Logistic growth curve	City Planning
Urban Sprawl	City park
Urbanization	Green belt
Urban forestry	Heat Island

### Know these (approximate) numbers...

*How many people live in the world today?*

*How many people live in poverty?*

*What is the current rate of world population growth?*

*What is the demographic constant used to calculate population doubling time?*

*What percent of the world's wealth is controlled by developed and developing countries respectively?*

*What proportion of the human population lives in developing countries?*

### Practice

1. What is **infant mortality rate** and why is it considered an indicator of quality of life?
2. Distinguish between **age-structure diagrams** representing several different populations. Explain how the shape of each diagram indicates characteristics of the population.
3. How do population growth rates in developed and developing nations differ? *Explain these differences.*
4. What rights and responsibilities do developed (*industrialized*) nations have in dictating the population of developing nations? What should developing nations have to say in what developed nations do to their populations?
5. Write the equation that relates **population change to birth rate, death rate, emigration rate, and immigration rate**. Practice with the equation to determine growth rate and population doubling time.
6. Describe some of the benefits resulting from the **empowerment of women** in developing nations.
7. Explain the process that results in a **demographic transition** and why it is a positive or negative change to a country's population.
8. Trace the **human population explosion** and describe plausible reasons for the explosion.

9. What is the function of the **World Bank**?
10. Compare and contrast the historical and modern day considerations that go into the decision of where to *locate and how to plan a city. (Site and Situation)*
11. Identify and describe the *elements of a city* that lead to the creation of an **urban heat island**.
12. Describe several changes that could be made to the city in which you live that would *preserve habitat and result in a more wildlife friendly city*.