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

**Vocabulary** *(Know these terms)*

- Zero Population Growth
- Growth Rate
- Disparity
- Prediction
- Dependency Ratio
- Developed
- Crude Birthrate
- Crude Death Rate
- Total Fertility Rate
- Epidemiological Transition
- Replacement-Level Fertility
- Baby Boom
- Family Planning
- Birth Control
demography
- Logistic growth curve
- Urban Sprawl
- Urbanization
- Urban forestry

- Population Momentum
- Infant Mortality Rate
- Affluence
- Projection
- Demography
- Developing
- Immigration
- Emigration
- Demographic Transition
- Fertility Transition
- J-Curve
- Age-Structure Diagram *(population profile)*
- Doubling Time
- Population dynamics
- Fall Line
- City Planning
- City park
- Green belt
- 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**.