APES World Population Lab

**Objective:** To analyze population pyramids and research information about population differences between developing and developed nations.

**Part 1:**

* Go to the website: <http://www.census.gov/ipc/www/idb>
* What is the estimate of the world population today (1/26/2015)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; the US? \_\_\_\_\_\_\_\_\_\_
* Click on the “International Data Base” link on the left side under the ‘Quick Links’ tab
* Choose a developing nations: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; Located: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Under “Select Report,” Change to ‘Population Pyramid Graph,’ Enter the following dates and sketch the 3 pyramids below:

**2000 2025 2050**

* Go back to the International Data Base; Make sure the report is “Demographic Overview” and record the following information in the chart below for the current year:

|  |  |
| --- | --- |
| What is the population growth rate? |  |
| What is the crude birth rate (births per 1,000)? |  |
| What is the crude death rate (deaths per 1,000)? |  |
| What is the life expectancy at birth? |  |
| What is the infant mortality rate? |  |
| What is the total fertility rate? |  |
| What is the net number of migrants? |  |

**Analysis:**

1. What can you tell about your country’s growth rate by looking at your histogram (population pyramid)?
2. If the birth and death rates remain the same as they are today, what will your pyramid look like in 25 years?
3. What are some factors that could change the shape of your pyramid?
4. Determine the percentage of the population that has not yet reached childbearing age. What does this number suggest about the prospects for the future growth?
5. If your country’s growth rate is not increasing, what are some socio-economic problems that might occur?
6. Does your country have a baby boom (a bulge somewhere in the middle of it)? What could account for this?
7. If you had a business and you wanted to capitalize on your information about the population age distribution, what would you sell and why?
8. Is your country increasing in size, decreasing in size or close to ZPG (zero population growth)?

**Part 2:**

* Repeat the entire procedure using a developed nation.
* My developed country is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and it is located \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Sketch the three pyramids below:

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