

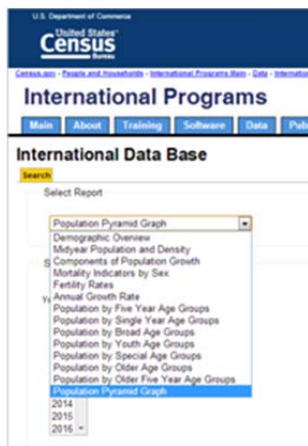
- Connecting Science, Technology and Society
- Human population growth differs dramatically country by country
- Human populations grow due to advances in agriculture, medicine, and construction and the use of energy.
- Humans modify ecosystems as a result of rapid population growth, use of technology and consumption of resources.

The human population has existed for a little more than 500,000 years. About 10,000 years ago, the total human population was about 3 million people, most of them hunters and gatherers. The development of early agriculture provided a stable supply of food and as a result the human population increased rapidly and reached one billion (1,000,000,000) in 1840. The development of technology and medicine in the 20th century reduced the death rate and increased the growth rate even further. Despite these advances, human population growth differs dramatically country by country.

Your task is to design a presentation using PowerPoint to compare the population dynamics in an underdeveloped country and a developed country using the parameters outlined below.

Interpreting Population Data

U.S. Census Bureau: www.census.gov Then use the **search box** to find the **international database**.



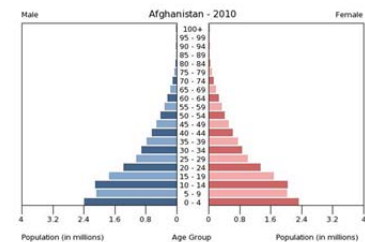
1. From the drop down menu select Population Pyramid Graph

2. Click on the year 2010 in the Select Year(s) box. Scroll down until you can see the year 2025. Hold down the control key and click on the year 2025. This will allow you to select both years at the same time.

3. Using the **first letter of your last name** select one underdeveloped country from the list on the right.

4. Click submit. You should now see a page with graphs that look something like this →

5. Save a copy of each of the graphs.



6. Return to the International Data Base and select a developed nation from the same list (Examples: USA, England, Japan). Copy the graphs to your presentation.

1. Compare and contrast the shapes of the population pyramid graphs in 2010 for the developed and underdeveloped countries that you selected.

2. Compare the changes in populations of both countries from 2010 to those projected to 2025.

Factors Affecting Population Changes

1. Use the Country Reports resource in the Student Research Center in the ICONN Database *iconn.org* and the CIA world fact book to research and describe **three factors** that impact the health of the human population in the underdeveloped country you studied.

2. Research and explain how one technological advance might improve the health of the human population by 2025 in the underdeveloped country you studied. Is the advancement of technology a positive or negative influence on population dynamics? What is your evidence?

3. Be sure to make your last slide a works cited for all of the sources that you used in your research.

You must email me your completed project by: _____

Human Population Dynamics

- Make sure when you are copying and pasting a URL that you have the page loaded to the exact page you are citing. Particularly on Google images – do not include “http://images.google.com/imgres?imgurl=” – in your citation. Instead go to the actual website and use that pages’ URL.
- If an author is not given (and you really looked) start with the title. A company is not an author.

To Cite a Website or Electronic Encyclopedia

Author of article, last name first	“Article Title in quotation marks”	<i>website title italics</i>
Date posted/updated if given	Access Date	Electronic address (URL) in angled brackets
Author of article, last name first	“Article Title in quotation marks”	<i>website title italics</i>
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Author of article, last name first	“Article Title in quotation marks”	<i>website title italics</i>
Date posted/updated if given	Access Date	Electronic address (URL) in angled brackets

Website Example:

“Renaissance: Music.” *The Columbia Electronic Encyclopedia*. Web. 16 May 2013. <<http://www.infoplease.com>>.

To Cite An Image, Photograph Or Diagram Copied From A Website

Title (or description) of image, photography or diagram.	<i>website title italics</i>
Access Date	Electronic address (URL) in angled brackets
Title (or description) of image, photography or diagram.	<i>website title italics</i>
Access Date	Electronic address (URL) in angled brackets

Example:

Human Population Pyramid. *US Census Bureau International Data Base*. Web. 9 Sept. 2013. <<http://www.census.gov>>

Human Population Dynamics



Name:	Period:
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This analytic rubric is used to verify specific tasks performed when researching and presenting your project. If the task has been successfully completed, all points are awarded. If the task is incomplete or contains factual errors half points may be awarded. No points are awarded if the task is not attempted or if too many errors are made.

Category	Scoring Criteria	Points	Student Evaluation	Teacher Evaluation
Information 30 points	The location of each country is shown on a map near the beginning of your presentation	6		
	Compare and contrast the shapes of the two country's population pyramid graphs for 2010	6		
	Compare and contrast the shapes of the two country's population pyramid graphs for 2025	6		
	Compare the changes in populations of the developed country from 2010 to those projected to 2025.	6		
	Compare the changes in populations of the underdeveloped country from 2010 to those projected to 2025.	6		
Analysis 18 points	Three factors that impact the health of the human population	9		
	One technology that would improve the health of the underdeveloped country	3		
	Presentation demonstrates the application of the most current information. Information is presented in your own words, not cut and pasted from research sources.	6		
Population Graphs 20 points	A Population Pyramid Graph for an underdeveloped country for the year 2010	5		
	A Population Pyramid Graph for a developed country for the year 2010	5		
	A Population Pyramid Graph for an underdeveloped country for the year 2025	5		
	A Population Pyramid Graph for an developed country for the year 2025	5		
Presentation 15 points	Title slide contains the names of the countries and your name & period	5		
	Information is presented in a logical sequence	5		
	Presentation slides are neat, easy to read from the back row	5		
Works Cited 12 points	The last slide of your presentation contains properly formatted citations for your project.	12		
Evaluation 5 points	Students are expected to honestly evaluate their own work prior to turning in their assignment.	5		
Score	Total	100		
Deadline	All turned-in assignments must be complete by the assigned deadline. Anything received after the deadline will receive 3/4 credit.			