

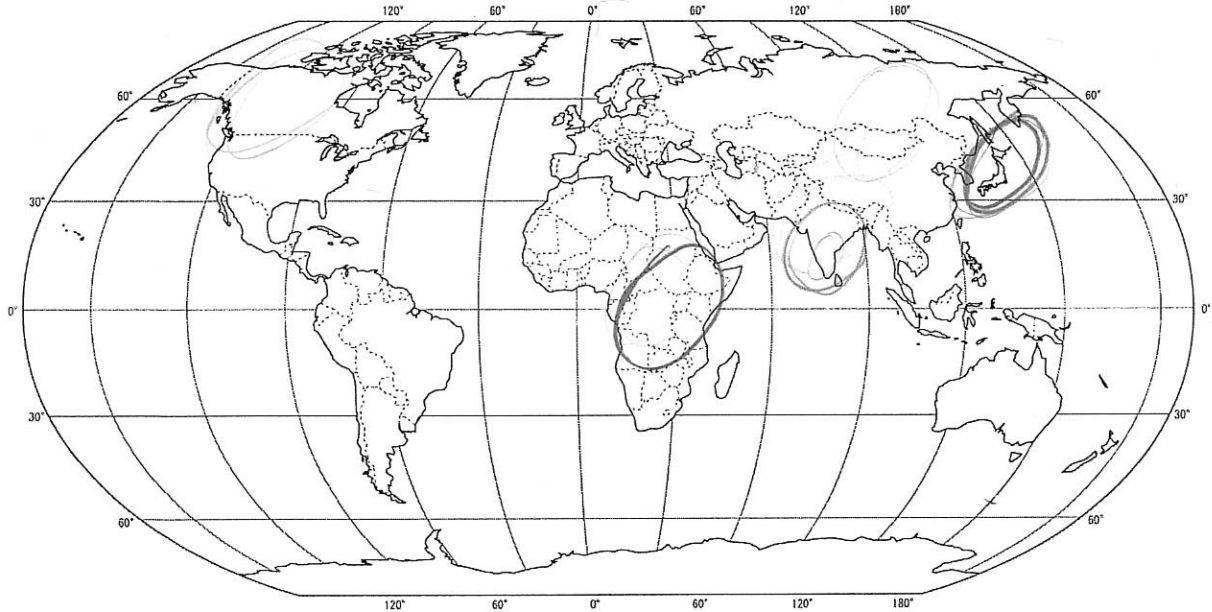
World In The Balance: The People Paradox

PBS Nova Documentary

Map Questions

Locate and label each of these countries on the map above. They will be featured in this documentary.

- India is a peninsula located in Southern Asia. It is centered at 22°N and 77°E.
Japan is an island country located off the East coast of Asia. It is centered at 36°N and 138°E.
Kenya is a country in sub-Saharan Africa. It is centered at 1°N and 38°E.



India Analysis Questions

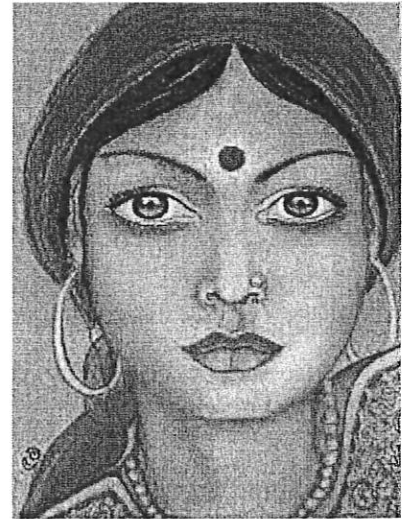
Answer questions 1-2 before watching the India segment.

- The population of India as of 2009 was about 1,155,000,000 (1.155 billion). What percent of the world's population is this?
- The Gross Domestic Product of India in 2009 was \$1,236,000,000,000 (\$1.236 trillion). How much in dollars was produced per person?
- What is India's current fertility rate?
- Uttar Pradesh is India's fastest growing state. Where is it located? Label it on the map to the right.



Image from www.printablemapstore.com

5. Gooday wanted to be sterilized after having a difficult birth with her last child. Who stopped her?
6. Why is the husband and mother-in-law considered the “gatekeepers to health services”?
7. Explain the son preference. Why is it considered so important for a family to have as many male children as possible?
 - a. How does this influence the fertility rate?



The Bindi is a Hindu symbol of a married woman.

8. One out of ten children in Uttar Pradesh dies before age five. How would this influence fertility rates?
9. India is described as a “patriarchal” society. What does this mean?
10. Describe how marriage is culturally different in India.
11. Teaching young adults about birth control is considered a social taboo in India. How would this influence fertility rates?
12. Why are women seen as an “economic liability”? What is a dowry?
13. Conducting an ultrasound with the intent to identify gender is now illegal in India. Why?

14. Bride burning is a form of domestic violence in India where the bride is set ablaze when the husband and his family feel the dowry they were paid is not adequate. A newspaper article was written in response to this entitled "Better Dead than Burnt". Do you feel this is a justification for sex-selective abortion? Are women in India better off dead than burnt? Explain your view.

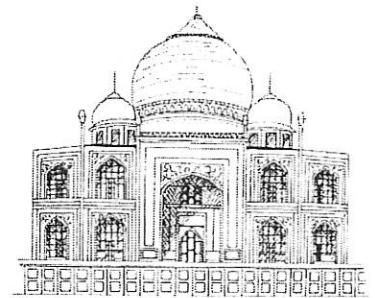
15. Abidi Shah is a social worker that works with women from poor, rural villages in India. In what two ways is she educating women?

16. If India is unable to reduce its population growth rate, what possible consequences might it face? Describe two.

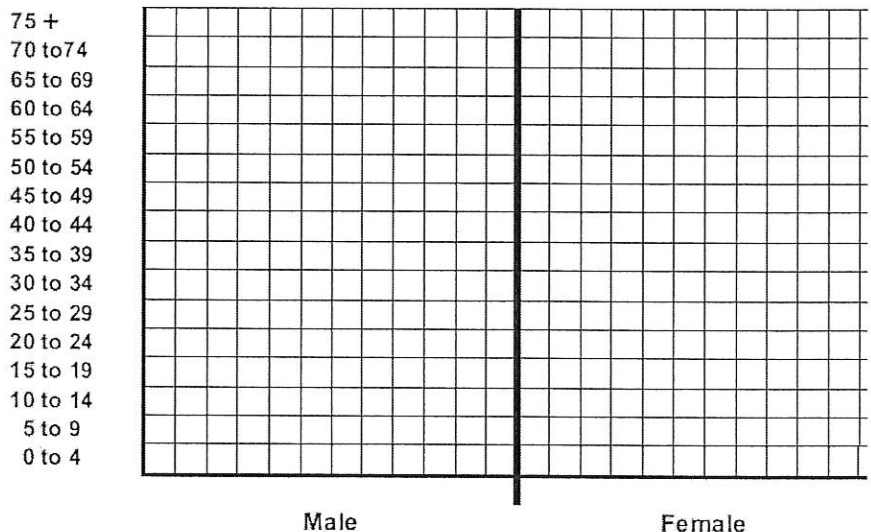
17. The Taj Mahal is a palace that was built to honor a queen who died giving birth to her 14th child. How is this symbolic of the struggles that India faces?

18. Would you describe India as a pre-industrial, transitional, industrial, or late industrial country?

19. Below is a breakdown of the population of India as of 2009. Construct a population pyramid.



Age Group	M	%	F	%
0-4	62,926		55,735	
5-9	62,691		55,188	
10-14	61,581		54,363	
15-19	57,793		51,608	
20-24	53,986		49,403	
25-29	50,581		46,847	
30-34	46,925		43,940	
35-39	42,961		40,800	
40-44	37,059		35,382	
45-49	31,298		29,991	
50-54	26,031		25,056	
55-59	21,033		20,417	
60-64	16,466		16,353	
65-69	12,312		12,674	
70-74	8,408		9,105	
75+	4,950		5,727	
Total	1,156,897 (in thousands)			



What does the shape of this pyramid tell you about India's demographics?

Data from US Census Bureau

Japan Analysis Questions

Answer questions 20-21 before watching the Japan segment.

20. The population of Japan as of 2009 was about 127,000,000 (127 million).
What percent of the world's population is this?

21. The Gross Domestic Product of Japan in 2009 was \$5,286,000,000,000 (\$5.286 trillion).
How much in dollars was produced per person?

22. What is the fertility rate of Japan? How does this compare to India?

23. Tomoko Omura states that there are two doors for professional women. What choice is she alluding to?

24. How would you describe the attitude the Japanese women have towards marriage and children?

25. How does Japan's economic recession affect the roles of women and birth rates?

26. What are the consequences if there are not enough young, working people to support a retired population?

27. How many immigrants would Japan need to allow into the country a year to maintain its workforce?
Why does it resist this type of immigration?

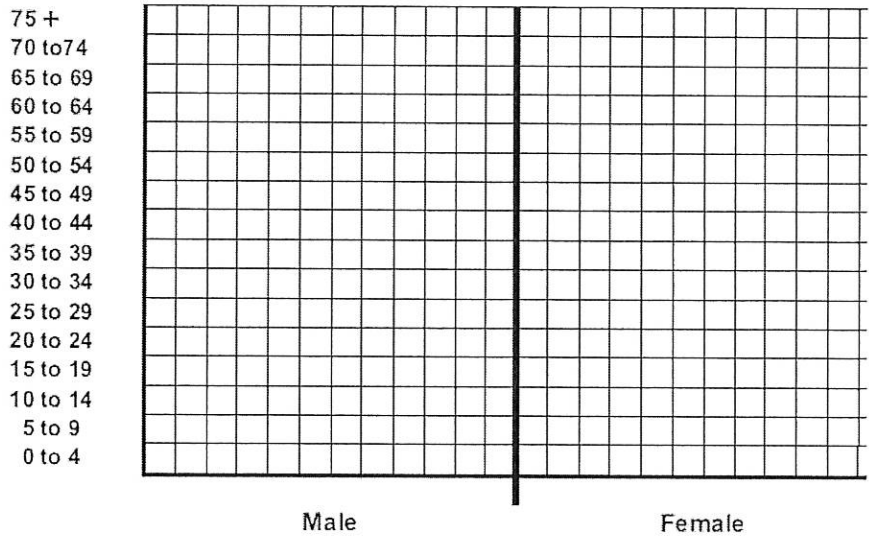
28. The beginning of this segment showed a fifth grade student sitting in a classroom by himself – the only student in his entire grade. How is this scene reflective of Japan's demographic situation?

29. Would you describe Japan as a pre-industrial, transitional, industrial, or late industrial country?

30. Below is a breakdown of the population of Japan as of 2009. Construct a population pyramid.

Age Group	M	%	F	%
0-4	2,675		2,534	
5-9	3,022		2,864	
10-14	3,107		2,946	
15-19	3,126		2,969	
20-24	3,460		3,300	
25-29	3,899		3,730	
30-34	4,547		4,352	
35-39	5,033		4,839	
40-44	4,308		4,218	
45-49	3,884		3,848	
50-54	3,847		3,858	
55-59	4,575		4,687	
60-64	4,508		4,733	
65-69	3,869		4,278	
70-74	3,096		3,665	
75+	2,443		3,236	
Total	127,079 (in thousands)			

ce: US Census Bureau



What does the shape of this pyramid tell you about Japan's demographics?

United States Analysis Questions

Answer questions 31-32 before watching the United States segment.

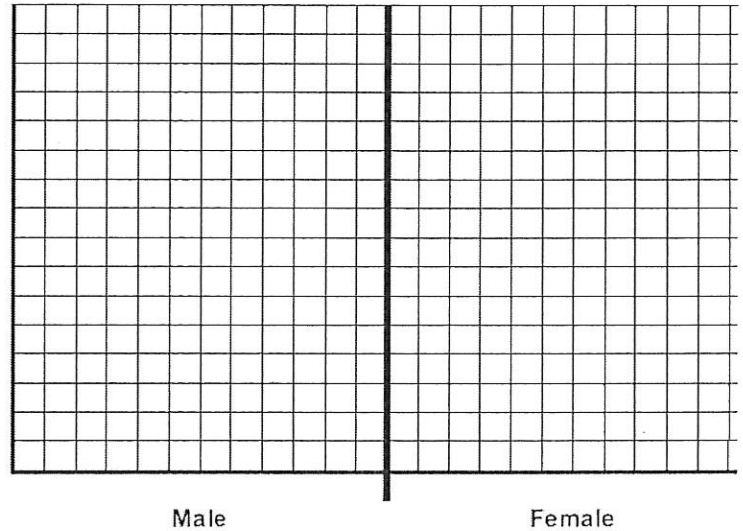
- 31. The population of the United States as of 2009 was about 315,000,000 (315 million). What percent of the world's population is this?
- 32. The Gross Domestic Product of the United States in 2009 was \$14,280,000,000,000 (\$14.28 trillion). How much in dollars was produced per person?
- 33. The amount of consumption and pollution from an average American child is equal to how many children from India?
- 34. The United States, like Japan, is experiencing an increasing number of aging people in the population. What is the main difference between the two? How does this benefit the United States?

35. Below is a breakdown of the population of the U.S. as of 2009. Construct a population pyramid.

Age Group	M	%	F	%
0-4	10,887		10,413	
5-9	10,536		10,074	
10-14	10,223		9,751	
15-19	11,051		10,487	
20-24	11,094		10,446	
25-29	11,116		10,562	
30-34	10,108		9,781	
35-39	10,353		10,185	
40-44	10,504		10,487	
45-49	11,296		11,536	
50-54	10,678		11,084	
55-59	9,205		9,770	
60-64	7,577		8,235	
65-69	5,511		6,273	
70-74	4,082		4,926	
75+	3,149		4,176	
Total	307,006 (in thousands)			

Data from Population Connection, 2004

75 +
70 to 74
65 to 69
60 to 64
55 to 59
50 to 54
45 to 49
40 to 44
35 to 39
30 to 34
25 to 29
20 to 24
15 to 19
10 to 14
5 to 9
0 to 4



What does the shape of this pyramid tell you about the United States' demographics?

Sub-Saharan Africa Analysis Questions

Answer questions 36-37 before watching the United States segment.

36. The population of Kenya as of 2009 was about 38,800,000 (38.8 million). What percent of the world's population is this?

37. The Gross Domestic Product of Kenya in 2009 was \$30,350,000,000 (\$30.35 billion). How much in dollars was produced per person?

38. What is the average fertility rate (per family) in Sub-Saharan Africa?

39. How much has Kenya's fertility rate changed in the last 20 years?

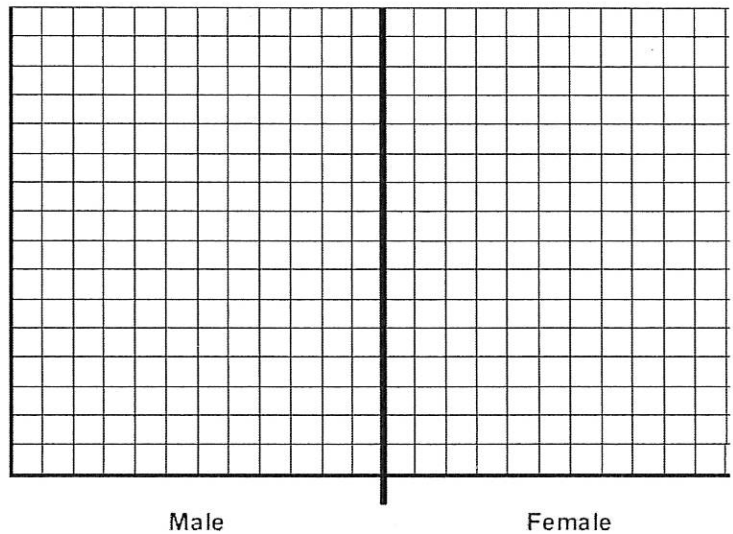
40. What has caused death rates to increase in Kenya, as well as life expectancy to drop to 49 years?

41. One of the experts states that the root of Africa's struggles with population, poverty, and AIDS is unprotected sex. If this is the case, why is birth control and protection not more widely used?
42. There are two predictions given for final world population.
- What is the predicted final population if fertility rate drops just below 2 children per couple?
 - What is the predicted final population if fertility rate is 0.5 children per couple higher?
43. Below is a breakdown of the population of Botswana as of 2009. Construct a population pyramid.

Age Group	M	%	F	%
0-4	226		115	
5-9	231		118	
10-14	235		120	
15-19	229		114	
20-24	218		106	
25-29	208		101	
30-34	155		80	
35-39	111		62	
40-44	88		49	
45-49	75		39	
50-54	61		28	
55-59	46		20	
60-64	32		14	
65-69	26		11	
70-74	20		8	
75+	15		6	
Total	1,990 (in thousands)			

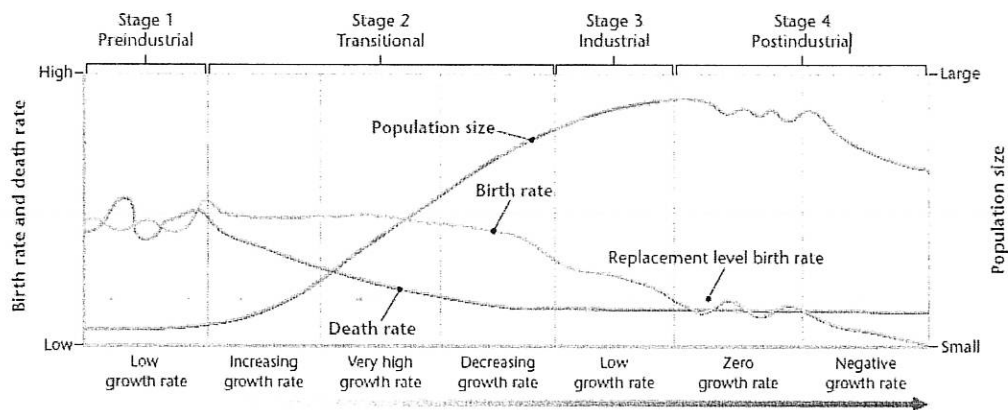
Data from US Census Bureau

75 +
70 to 74
65 to 69
60 to 64
55 to 59
50 to 54
45 to 49
40 to 44
35 to 39
30 to 34
25 to 29
20 to 24
15 to 19
10 to 14
5 to 9
0 to 4



What does the shape of this pyramid tell you about Botswana's demographics? *Botswana has an AIDS infection rate in adults of 23.1%.*

44. A demographic transition graph is shown below. Mark on the graph where you would place Kenya, Japan, the United States, and India, based on what you learned from the video.



Question for Further Thought

45. The United Nations supports a program in sub-Saharan Africa that provides free birth control and family planning education to help alleviate many of these issues. However, some of the money has been found to also fund abortion clinics in many African countries. Some of this money has also “disappeared” due to the high amount of corruption in many of the governments of the different African countries.

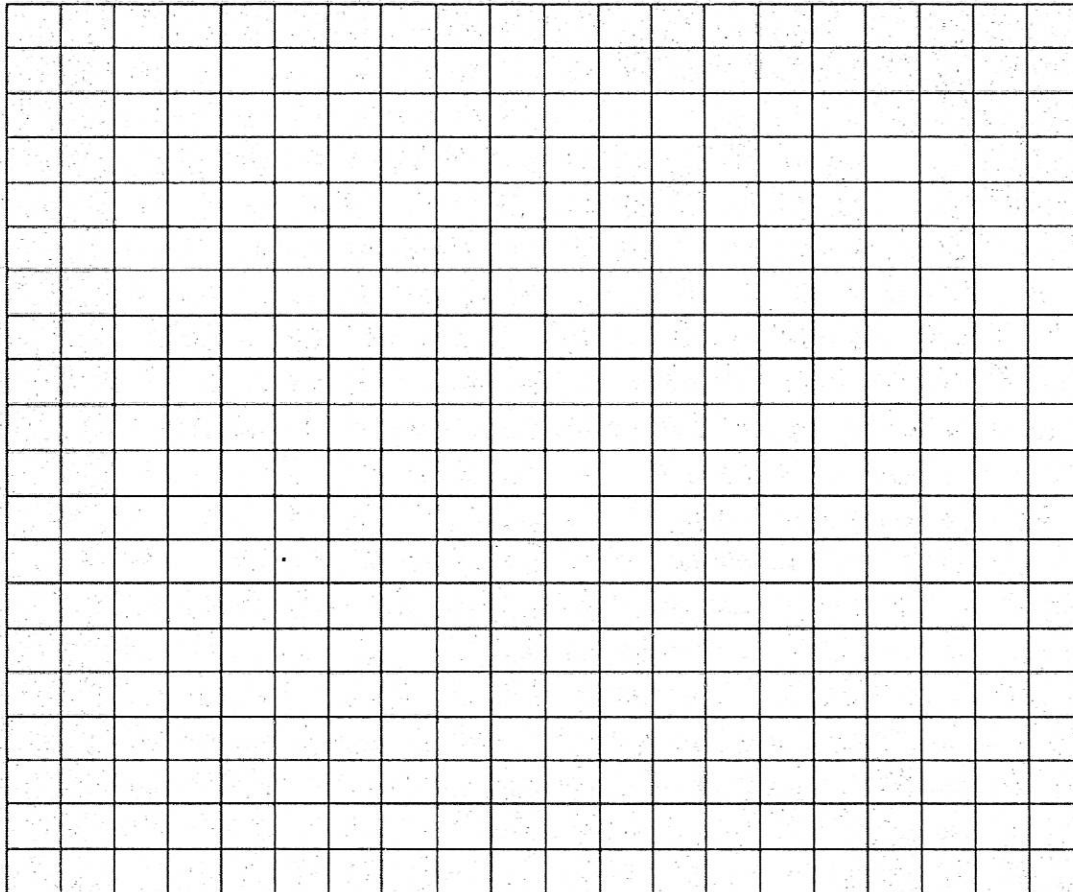
This has placed the United States, one of the biggest sources of United Nations funding, in a dilemma. Do we support this program, which helps reduce population growth, poverty, and AIDS transmission, or withhold funding due to the moral consequences?

George W. Bush, a Republican who was president from 2000-2008, opted to withdraw funding from this effort. Barack Obama, a Democrat who was elected in 2008, has restored much of this funding. If you were president, what would you do? Explain why you would make this decision from both a practical and a moral standpoint.

Graph Analysis

Create a double bar graph of the following data. Label the left Y-axis as population, and the right Y-axis as GDP. Place the countries on the X-axis.

Country	Population	GDP
India		
Japan		
United States		
Kenya		



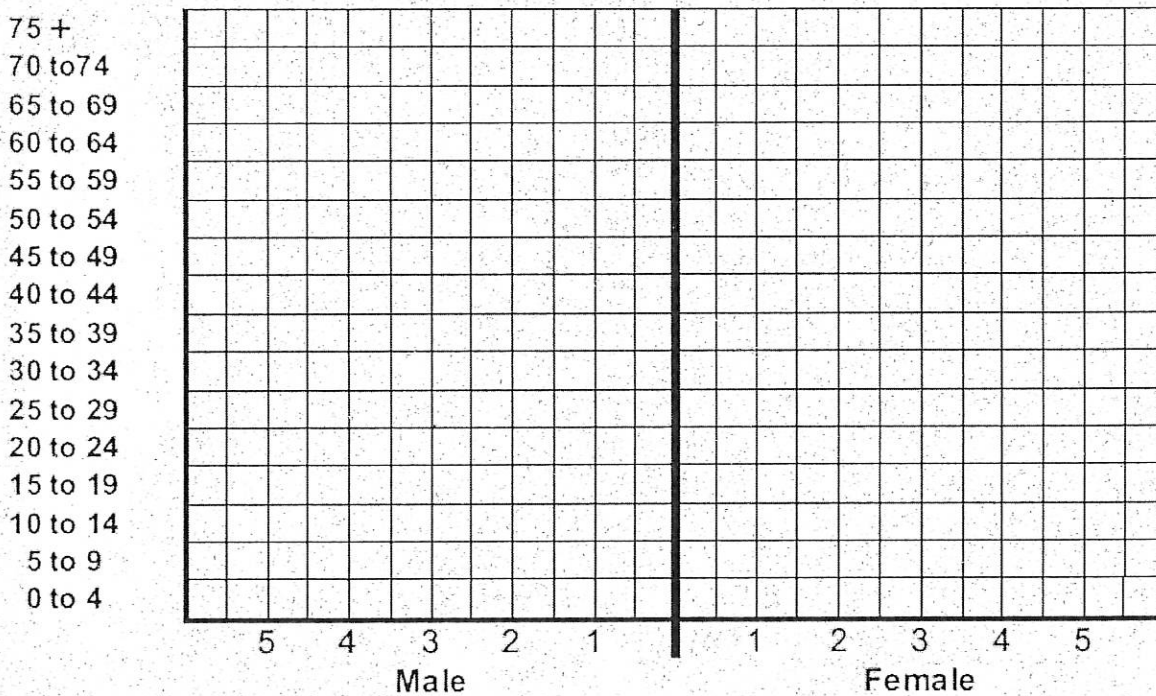
Independent Research

Based on what you learned from watching this documentary and completing the population pyramid, you will now complete your own set of research on a different country you are interested in.

First, visit the US Census International Database website at <http://www.census.gov/ipc/www/idb/informationGateway.php>.

- Click on the “Age Groups” tab and select the country you are interested in, and the current year.
- Make sure “5-year age groups” is selected.
- Choose the button for “show individual country data only.”
- Click “submit”.

Create a population pyramid based on the template below.



Write a two-page double-spaced paper describing the specific conditions in this country that would create a set of demographics that you recorded above. What unique demographic challenges does this country face? Are there any similarities between this country and the previous ones we’ve studied? Explain whether you would classify this as a developed or developing country, and what stage in the demographic transition you believe it is in. Justify your answers.