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Comparing Nigerian and United States Populations

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Comparing Nigerian and United States Populations

Anne Hoeper – Wood Intermediate School

Grade Level (Req.): 7th-10th grade	Content Area (Req.): World Geography, Human Geography, English	Unit (Opt.):
Connections to Other Disciplines (Opt.): • • •		
Time Frame (Req.): Approximately 1 class period	Goal (Req.): To understand how the environment affects the growth of a population.	
	Objective (Req.): Students will be aware of population growth in Nigeria compared to the United States.	
Materials Needed (Req.): • Nigerian and United States Population Pyramids for 1997, 2025, 2050 • Demographic data for Nigeria and United States • Information can be found at http://www.census.gov/ipc/www/idbpyr.html • • • •	New Vocabulary (Opt.): • • • • •	
Anticipatory Set/Introduction [Inquiry Question is required] (Req.): How does the population in Nigeria compare to the United States? What services will the population need in 2010, 2025, and 2050?		
Instructional Sequence/Procedure (Req.): 1. Divide the class into groups of 3. 2. Assign half of the groups Nigeria and the other half of the groups the United States. 3. Give students a blank population pyramid form and provide statistics for the years of 1997, 2025, and 2050. 4. Students will fill in the population pyramid for their assigned year and country. 5. Groups will compare their three population pyramids and determine if the country's population is growing, declining, or remaining the same. 6. Groups will determine the services the government will need to provide for the population. 7. Combine a United States group with a Nigerian group. 8. Groups will share their three pyramids, the growth of the population, and what services will be needed to meet provide of the population. 9. 10. 11. 12. 13.		

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Formative Evaluation (Req.): Class participation and discussion	Assessment (Req.): Write a paragraph describing the projected growth of Nigeria. Compare Nigeria's growth to the projected growth of the United States. Include a list of services that will be needed to provide for the population.

Iowa Core Curriculum Standards Used (Req.):

- Geography, grade 9-12: Understand the use of geographic tools to locate and analyze information about people, places, and environments.
- Geography, grade 9-12: Understand how human factors and the distribution of resources affect the development of society and the movement of populations.
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Common Core Curriculum Standards Used (Opt.):

- Speaking and Listening, grade 9-12: Engage effectively in a range of collaborative discussions (one-on-one, in groups and teacher-led) with diverse partners on specific grade level topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.
- Writing, grade 9-12: Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
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NGS Standards Used (Req.):

- How to use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective
- The characteristics, distribution, and migration of human populations on Earth's surface
- How to apply geography to interpret the present and plan for the future
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Five Themes of Geography Used (Req.): • Place •	School District Standards and Benchmarks (Opt.): • •

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21st Century Universal Constructs (Opt.):	
Other Disciplinary Standards (Opt.): • • • • •	
Other Essential Information (Opt.):	
Other Resources (Opt.): • • • •	

Nigerian Midyear Population, by Age and Sex: 1998 and 2010(Population in thousands)

	1998			2010		
AGE	**TOTAL**	**MALE**	**FEMALE**	**TOTAL**	**MALE**	**FEMALE**
TOTAL	110,532	55,920	54,613	150,274	75,657	74,617
00-04	19,737	9,942	9,795	24,706	12,447	12,258
05-09	16,286	8,162	8,124	22,070	11,073	10,997
10-14	13,510	6,768	6,742	19,682	9,865	9,817
15-19	11,721	5,881	5,840	16,988	8,510	8,478
20-24	9,516	4,788	4,728	13,928	7,014	6,914
25-29	7,857	3,982	3,876	11,435	5,817	5,617
30-34	6,600	3,355	3,245	9,005	4,612	4,392
35-39	5,426	2,798	2,627	7,012	3,591	3,421
40-44	4,456	2,339	2,117	5,718	2,900	2,818
45-49	4,041	2,085	1,956	4,718	2,392	2,326
50-54	3,460	1,787	1,673	3,877	1,989	1,888
55-59	2,677	1,381	1,296	3,366	1,692	1,674
60-64	2,010	1,024	986	2,870	1,409	1,461
65-69	1,469	742	727	2,112	1,022	1,091
70-74	973	486	487	1,438	685	753
75-79	531	263	268	852	400	452
80+	262	136	126	499	240	259

Source: U.S. Bureau of the Census, International Data Base.
For more information contact the Information Resources Branch, International Programs Center, Bureau of the Census.

Nigeria

Demographic Indicators: 1998 and 2010

	1998	2010
Births per 1,000 population	42	37
Deaths per 1,000 population	13	16
Rate of natural increase (percent)	2.9	2.1
Annual rate of growth (percent)	3.0	2.1
Life expectancy at birth (years)	53.6	46.3
Infant deaths per 1,000 live births	71	57
Total fertility rate (per woman)	6.1	5.1

Midyear Population Estimates and Average Annual Period Growth Rates:

1950 to 2050 (Population in thousands, rate in percent)

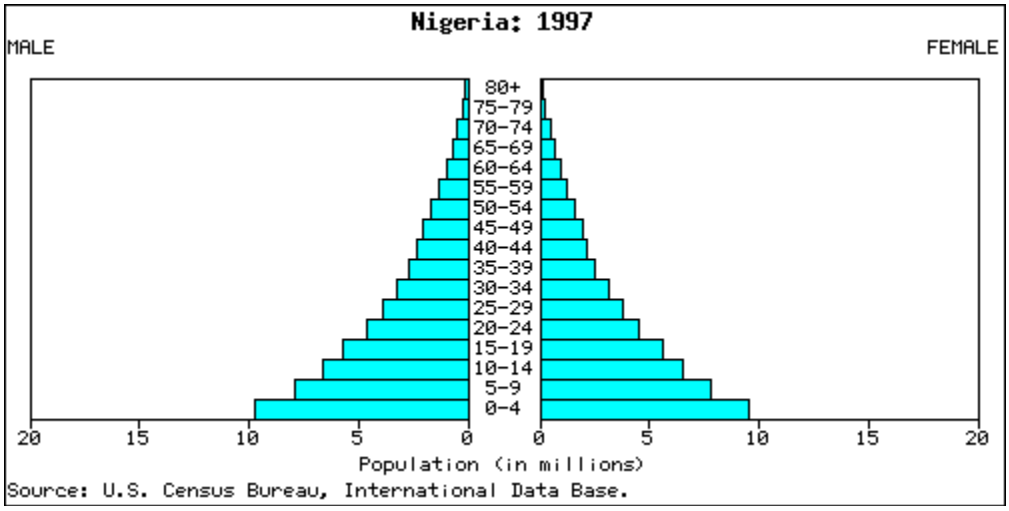
Year	Population
1950	31,797
1960	39,230
1970	49,309
1980	65,699
1990	86,530
1991	89,263
1992	92,057
1993	94,934
1994	97,900
1995	100,959
1996	104,095
1997	107,286
1998	110,532
1999	113,829
2000	117,171
2010	150,274
2020	183,962
2030	225,866

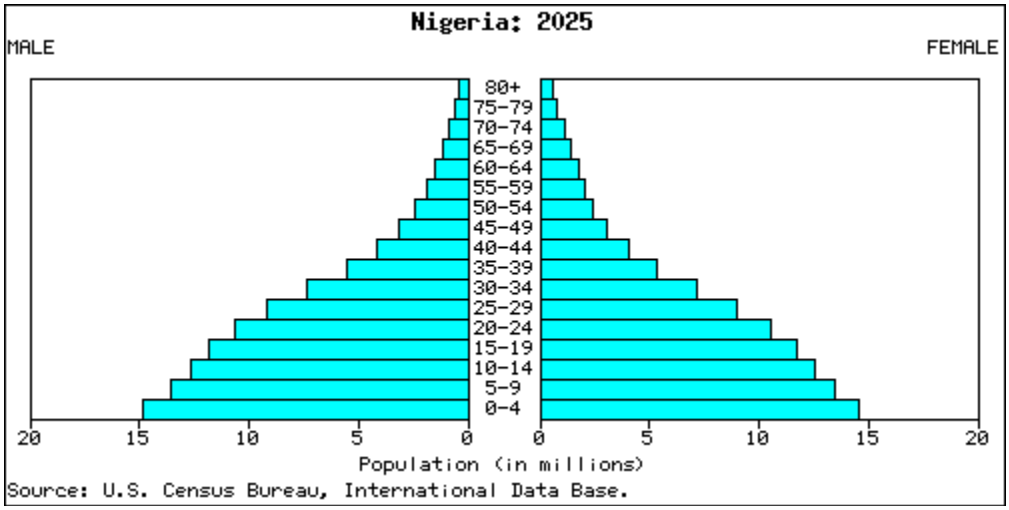
2040	279,405
2050	337,591

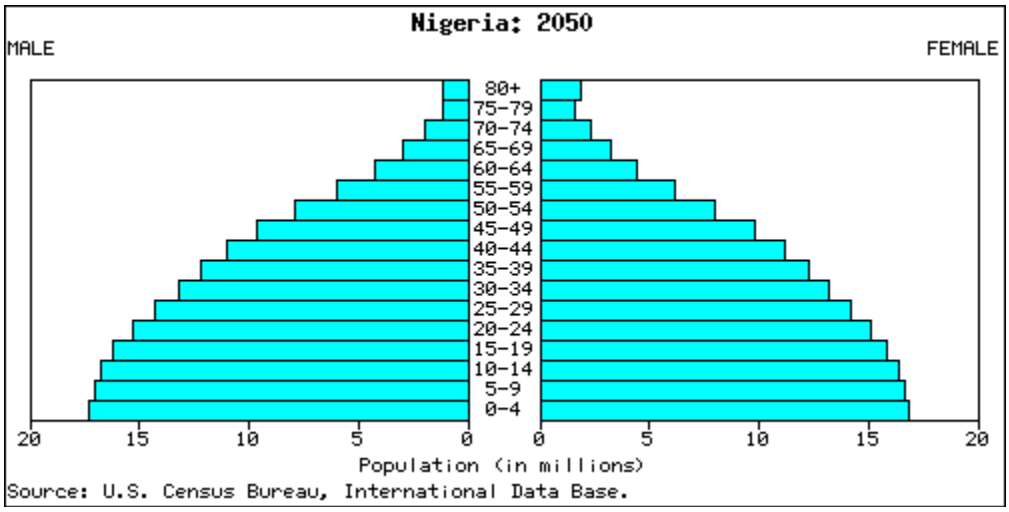
Period	Growth Rate
1950-1960	2.1
1960-1970	2.3
1970-1980	2.9
1980-1990	2.8
1990-2000	3.0
2000-2010	2.5
2010-2020	2.0
2020-2030	2.1
2030-2040	2.1
2040-2050	1.9

Source: U.S. Bureau of the Census, International Data Base.
For more information contact the Information Resources Branch, International Programs Center, Bureau of the Census.US Census Bureau

Population Pyramid Summary for Nigeria







United States Midyear Population, by Age and Sex: 1998 and 2010

(Population in thousands)

	1998			2010		
AGE	**TOTAL**	**MALE**	**FEMALE**	**TOTAL**	**MALE**	**FEMALE**
TOTAL	270,290	132,489	137,801	298,026	145,856	152,170
00-04	19,020	9,732	9,288	20,012	10,243	9,768
05-09	19,912	10,196	9,716	19,489	9,981	9,508
10-14	19,184	9,830	9,354	20,231	10,359	9,872
15-19	19,473	10,038	9,435	21,798	11,176	10,623
20-24	17,768	9,143	8,625	21,236	10,812	10,424
25-29	18,680	9,398	9,282	19,779	9,882	9,896
30-34	20,209	10,092	10,117	18,640	9,219	9,421
35-39	22,638	11,312	11,326	18,577	9,177	9,400
40-44	21,891	10,872	11,018	20,002	9,868	10,134
45-49	18,855	9,268	9,587	21,890	10,759	11,131
50-54	15,728	7,660	8,068	21,681	10,572	11,109
55-59	12,408	5,964	6,444	19,068	9,190	9,879
60-64	10,256	4,845	5,411	16,215	7,732	8,483
65-69	9,575	4,385	5,190	12,112	5,659	6,453
70-74	8,781	3,845	4,936	8,945	4,094	4,852
75-79	7,195	2,986	4,209	7,124	3,128	3,995
80-84	4,712	1,757	2,955	5,557	2,235	3,322
85-89	2,533	801	1,731	3,426	1,188	2,237

90-94	1,094	284	810	1,579	446	1,133
95+	379	80	300	666	137	529

Source: U.S. Bureau of the Census, International Data Base.
For more information contact the Information Resources Branch, International Programs Center, Bureau of the Census.

United States

Demographic Indicators: 1998 and 2010

	1998	2010
Births per 1,000 population	14	14
Deaths per 1,000 population	9	9
Rate of natural increase (percent)	0.6	0.5
Annual rate of growth (percent)	0.9	0.8
Life expectancy at birth (years)	76.1	77.4
Infant deaths per 1,000 live births	6	5
Total fertility rate (per woman)	2.1	2.1

Midyear Population Estimates and Average Annual Period Growth Rates:

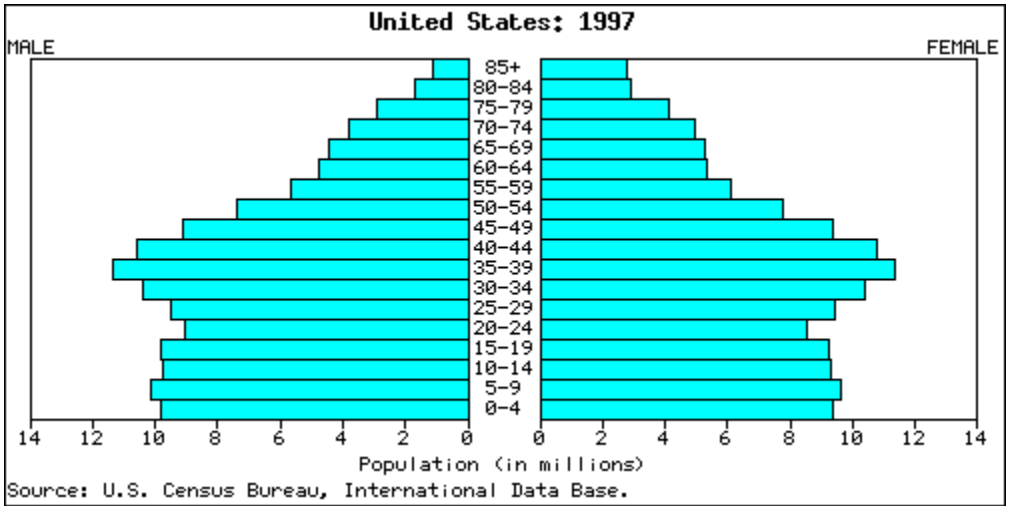
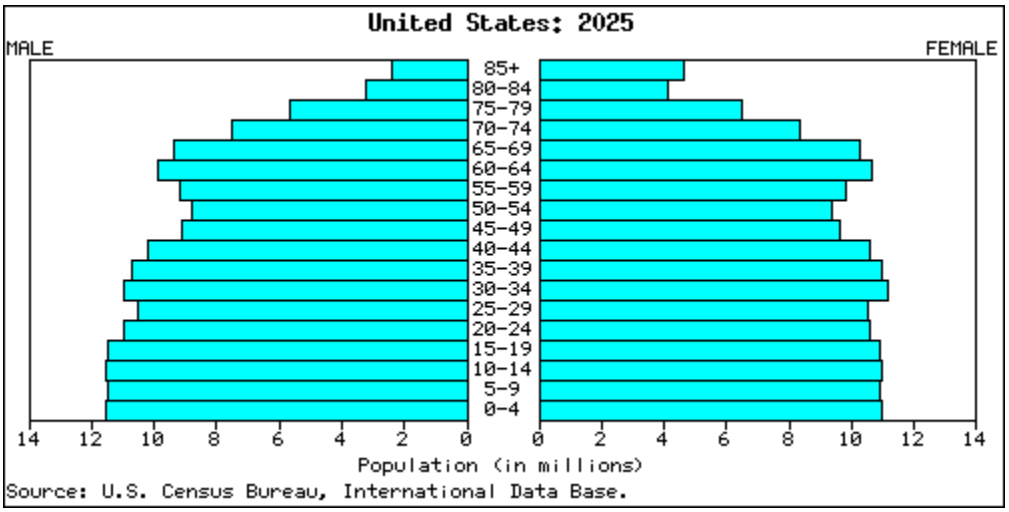
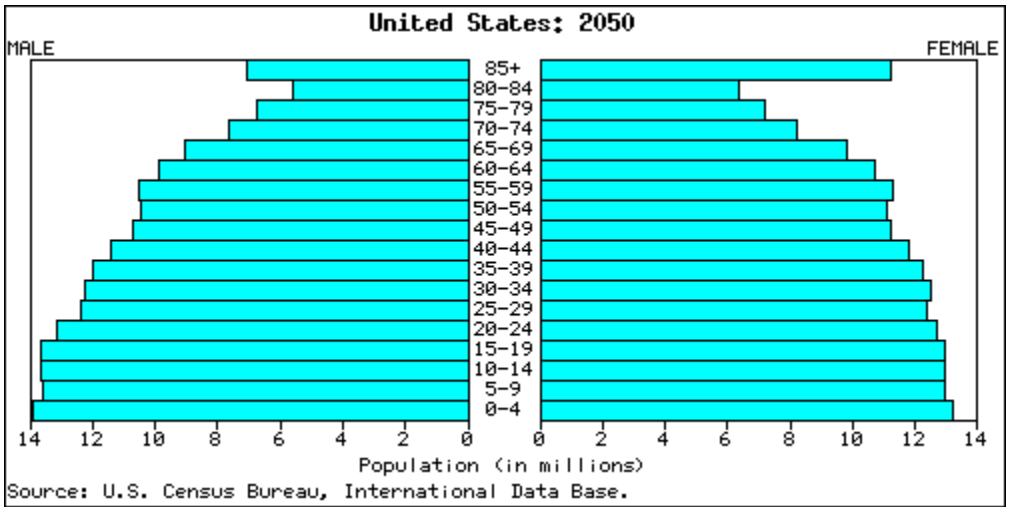
1950 to 2050 (Population in thousands, rate in percent)

Year	Population
1950	152,271
1960	180,671
1970	205,052
1980	227,726
1990	249,949
1991	252,636
1992	255,382
1993	258,089
1994	260,602
1995	263,039

1996	265,453
1997	267,901
1998	270,290
1999	272,640
2000	274,943
2010	298,026
2020	323,052
2030	347,209
2040	370,290
2050	394,241

Period	Growth Rate
1950-1960	1.7
1960-1970	1.3
1970-1980	1.0
1980-1990	0.9
1990-2000	1.0
2000-2010	0.8
2010-2020	0.8
2020-2030	0.7
2030-2040	0.6
2040-2050	0.6

Source: U.S. Bureau of the Census, International Data Base.
For more information contact the Information Resources Branch,International Programs Center, Bureau of the Census.

US Census Bureau

Population Pyramid Summary for the United States