

## Demography

Use your Counterpoints (pages 317-328) and this assignment to practice the skills of a demographer.

1. Graph Figure 13.1 on page 317 on the graph below. Then answer the questions that follow. (Make sure your year/date goes up by the same increment – recommend 100 years.)

Population  
in  
billions

1. Why did the world's population grow so rapidly in the 20<sup>th</sup> century?

2. List 2 negative consequences of this rapid population growth.

2. Use the chart from figure 13.3 (page 320) to calculate the approximate # of births for 1999 for each country in the chart. To Calculate the # of births for 1999, multiply the total population by the percentage birth rate (move decimal place once in Birth rate per 1000 ie. 23.0 become 2.3) and divide the answer by 100.

India =

Russia =

Canada =

Gabon =

3. Use the map from figure 13.7 (page 323) and answer the questions located at the bottom of the map under the heading **Reading a map:**

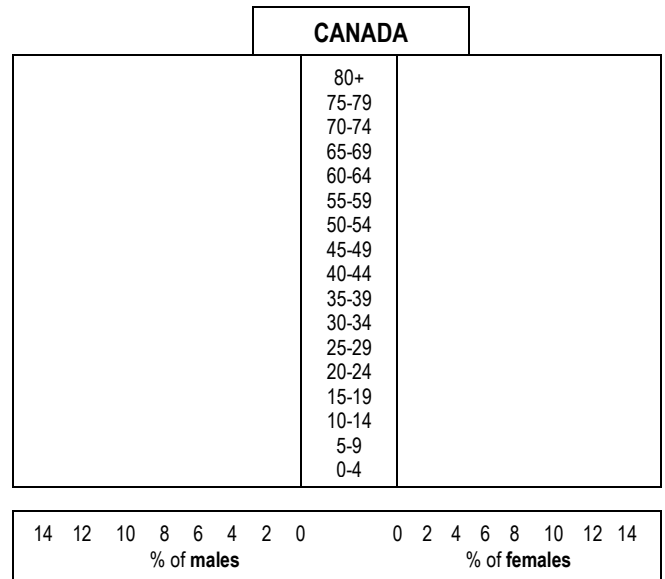
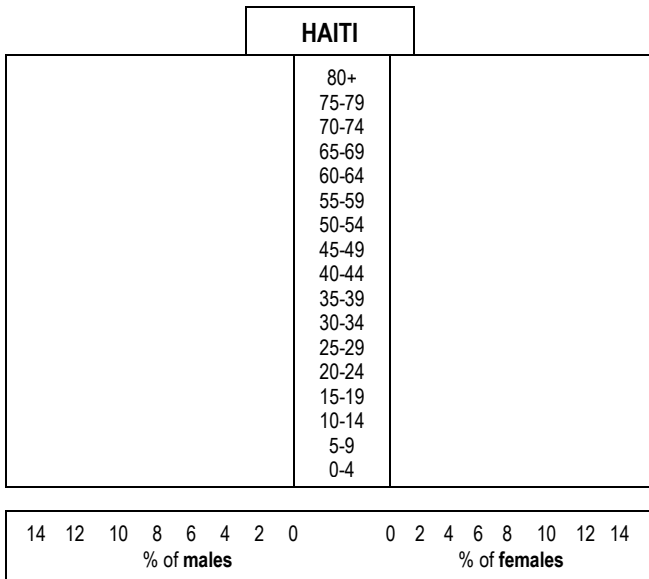
#1. Which continents have the highest birth rates = Africa, Asia, South America  
3 reasons?

#2. Which continents have the lowest birth rates = North America, Europe, Oceania  
3 reasons?

#3. List two problems for a country with a very high birth rate. Now list two for a very low birth rate.

Population by Age and Sex				
Haiti, 1993			Canada, 1993	
Age Group	Male %	Female %	Male %	Female %
0-4	7.6	7.5	3.6	3.4
5-9	6.7	6.6	3.6	3.4
10-14	5.9	5.9	3.5	3.3
15-19	5.2	5.1	3.4	3.3
20-24	4.6	4.6	3.5	3.4
25-29	3.8	4.0	3.8	3.7
30-34	3.3	3.5	4.4	4.4
35-39	2.6	2.9	4.3	4.3
40-44	2.2	2.5	3.9	3.9
45-49	1.8	2.0	3.5	3.5
50-54	1.5	1.7	2.7	2.7
55-59	1.2	1.4	2.2	2.3
60-64	1.0	1.1	2.0	2.1
65-69	0.7	0.9	1.8	2.0
70-74	0.5	0.6	1.4	1.9
75-79	0.3	0.4	0.9	1.4
80+	-	-	0.9	1.7

1. Using the data for Canada and for Haiti, plot a population pyramid for each country.



2. At what stage of the **demographic transition** (P. 324) is Canada? Haiti?

3. Canada's fertility rate is 1.7 births. However, to maintain its current population, the fertility rate must be 2.1. Some experts predict Canada's population could decline to 18,000,000 by the year 2050 if this trend continues. What impact would a shrinking population have on employment, goods, services, transportation & education?