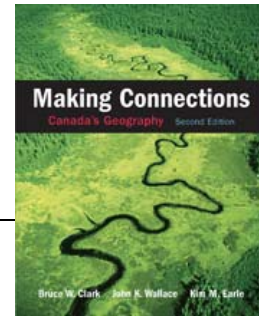


Demographics



- 1) Read Chapter 16 in *Making Connections*. Check your understanding of this topic by defining the terms in **bold letters** that appear throughout the chapter. It is important to understand these terms in order to utilize them correctly throughout this unit of the course. If you would like an official definition for each term, they are listed in the glossary at the back of the textbook.
- 2) Read the section on Compounding (pages 188-189).
 - a) What is the Rule of 70?
 - b) Why is the Rule of 70 so useful?
 - c) How long would it take for a population to double with each of the following growth rates?
 - i) 0.5%
 - ii) 1.0%
 - iii) 1.5%
 - iv) 2.0%
 - v) 3.0%
 - d) Does the Rule of 70 apply to a negative population growth rate? Explain your answer using Russia's population growth rate of -0.4%.
- 3) Read the section on Different Ages – Different Roles (pages 189-190).
 - a) What is a population's dependency load?
 - b) Describe why this would be a useful concept for
 - i) A government planner
 - ii) The president of a major bank
 - c) Consider the ages used in determining the dependency load. For a developed country like Canada, do they accurately describe the dependent population? Why or why not?
- 4) Read the section on Population Pyramids (pages 190-191).
 - a) Draw a population pyramid using the data on the back of this page.
 - b) How is this pyramid different from the 1956 and 2004 pyramids shown at the bottom of page 190?
 - c) Using www.census.gov/ipc/www/idb/pyramids.html find a country whose current population pyramid is similar to Canada's
 - i) 1881 pyramid that you've just created
 - ii) 1956 pyramid shown on page 190
 - iii) 2004 pyramid shown on page 190
 - iv) 2020 pyramid shown on page 192
- 5) Complete the activities in the box on page 192 about Canada's dependency load in 2020.

