Ch. 9 review questions
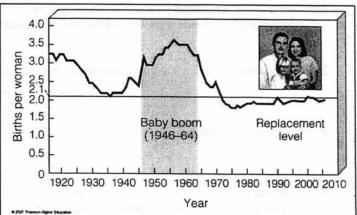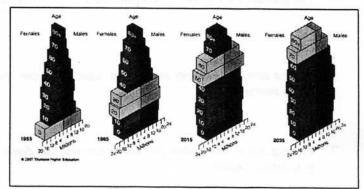
1. What is *demography*?

2. What factors affect the size of the human population in a particular area? What are the *crude birth rate* and the *crude death rate*?
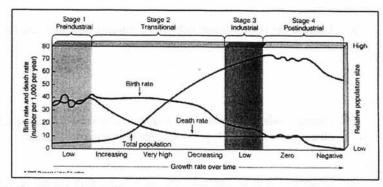
3. How is the *annual rate of population change* calculated? What three countries have the world's largest populations?

4. What are *doubling time* and the *rule of 70*? Use the rule of 70 to calculate how many years it would take for the population of a country to double if its population was growing by 2% a year.

5. What is *fertility*? Distinguish between *replacement-level fertility* and *total fertility rate*.

6. How have fertility rates and birth rates changed in the United States since 1910? How rapidly is the U.S. population growing?

7. List **3** factors that affect birth rates and fertility rates.

8. List a few reasons why the world's death rate has declined over the past 100 years.

9. Distinguish between *life expectancy* and *infant mortality rate*. Why is infant mortality the best measure of a society's quality of life? List three factors that keep the U.S. infant mortality higher than it could be.

10. Describe immigration in the United States in terms of numbers. List one major argument for and against reducing immigration in the United States.

11. What is the *age structure* of a population? Explain why the current age structure of the world's population means the population will keep growing for at least another 50 years even if the replacement-level rate of 2.0 is somehow reached globally tomorrow.

12. Draw the general shape of an age structure diagram for a country undergoing (a) rapid population growth, (b) slow population growth, (c) zero population growth, and (d) population decline.

13. Explain how age structure diagrams can be used to make population and economic projections.

14. What are the benefits and potentially harmful effects of rapid population decline?

15. What is the *demographic transition*, and what are its four phases?

16. What is *family planning*, and what are the advantages of using this approach to reduce the birth rate? Describe the success of family planning in slowing population growth in Iran (pg. 189 in text).

17. Explain how empowering women can help reduce birth rates, poverty, and environmental degradation.