

Chapter 5 Populations **Section Review 5-1**

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

1. Identify four characteristics of a population.

2. What are the three factors that can affect population size?

3. What conditions are necessary for a population to have exponential growth?

4. What conditions will cause a population to have logistic growth?

Reviewing Key Skills

Interpreting Graphics *On the lines provided, use the data table to answer questions 5 and 6 about population growth.*

	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
Live births per thousand	32.3	30.1	27.7	21.3	19.4	24.1	23.7	18.4	15.9	15.6
Deaths per thousand	17.1	14.7	13.0	11.3	10.8	9.6	9.5	9.5	8.8	8.7
Number of births over deaths	15.2	15.4	14.7	10.0	8.6	14.5	14.2	8.8	7.1	6.9
Life expectancy at birth	7.3	50.0	54.1	59.7	62.9	68.2	69.7	70.8	73.7	74.8
Increase in longevity since 1900 (years)		2.7	6.8	12.4	15.6	20.9	22.4	23.5	26.4	27.5

5. Is the excess of births over deaths following an exponential growth rate or a logistic growth rate? Explain your answer.

6. According to the table, the death rate remains about the same, but the birth rate continues to decline. Explain why the population is not decreasing.

7. **Applying Concepts** Why does the number of individuals in an exponentially growing population increase more rapidly over time?

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