

Human Population Growth

Objective: Create a graph of human population growth and use it to predict future growth and identify factors that affect population growth.

Year	Number of People (in billions)	
1950	.50	
1960	.70	
1980	1.0	
1987	2.0	
1999	2.5	
1999	3.0	
1970	3.5	
1979	4.0	
1980	4.4	
1991	5.5	
2000	6.0	
2004	6.5	
2012	7.5	

Instructions for creating your graph:

- Place time on the horizontal axis. Values should range from 1950 to 2050.
- Place number of people on the vertical axis. Values should range from 0 to 1.5 billion.
- Make sure that your graph is a full page in size and you have the correct labels for the X and Y axis.
- Create a title for your graph.

Analysis: (use your graph to answer the following):

1. It took 1549 years for the world population to double, going from .25 billion people to .50 billion people.
How long did it take for the population to double once again? _____
2. How long did it take for the population to double a second time? _____ A third time? _____
3. Use a different color to extend your graph to the year 2015.
In what year will the population reach 1.0 billion? _____
4. Based on your graph, how many years will it take for the population of 2000 to double? _____
5. The graph illustrates exponential growth. Based on the properties of this graph, what does this term mean?

Human Population Growth Answer Key

Marcel A. Müller



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