Name	Period: Date:				
Un 2	Processes and Cycles of Population Change Population Geography				
	owing information corresponds to Chapter 5 in your textbook. Fill in the blanks to complete the definition or e. Note: All of the following information in addition to your reading is important, not just the blanks you fill				
World	wide Population Trends				
	n while the global population growth rate has continued to, the reduction has been offset he ever larger total on which it is based (world population is growing at >80 million people/year).				
ext Au	The slowest growing countries (under 1% annual increase) lie in the economically wealthier zone extending from the and Canada across Western to and Australia. Not all these countries are rich, in fact many nations of the former are hindered by adverse political and social conditions.				
• Lis	three countries that are experiencing <i>negative</i> population growth:				
pri gro	region that is experiencing rapid population growth is (>2.5%) due narily to the end of colonialism and the failure of national economies. Another region with rapid with is (>2.3%) primarily due to cultural traditions and constricted opportunities women.				
View	on Population Growth				
•	= in 1798 he published, <i>Essays on the Principle of Population</i> , which stated that: Human population grows (2, 4, 8, 16,), doubling every generation, whereas Food production grows (1, 2, 3, 4,). The result is that there would be mass starvation until population growth was <i>checked</i> by wars, epidemics, famines, His theories were questioned especially around the late 1800s because 1) he did not anticipate the technological and industrial improvements in, and 2) the of population growth rates in Europe due to the industrial revolution = a revival of enthusiasm for his ideas accompanied the alarming increase in world growth rates after World War II. With slight modifications, his theories can apply to today.				
•	= German social philosopher who discussed socialist theories in the mid 1800s: Population growth is <i>not</i> the primary cause of poverty and suffering (as stated); = economic system that promotes the exploitation of and the unequal				

_____ (land, capital, etc...) – the primary cause of poverty and suffering;

= economic system that promotes the equal _____ of resources and the ___ obtained from economic production among the people – will solve problems for *all*. theories have *not* held up very well. The former USSR and China both adopted family

planning policies, and have both embraced capitalist ventures (China on a limited scale).

distribution of _

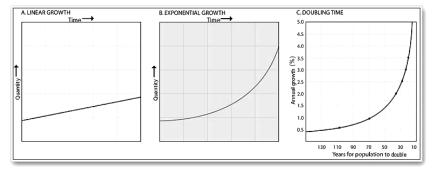
Views on Population Growth (cont'd)

•		= wrote <i>The Conditions of Agricultural Growth</i> (1965), stating another theory:	
	•	Population growth can stimulate greater in agricultural development, producing	
		greater amounts of food (the opposing viewpoint of).	
	•	It is more realistic to view population growth as a stimulant of development of	
		technology, than to view population growth as being by agricultural output.	
	•	One major deficiency in her theory is that intensification of agriculture in an area can lead to the	
		of nutrients in the soil, and the consequent reduction in the amount of food produced	
•		theory states that the world has an abundance of resources and humans will never use	
them all up; this is a very optimistic, yet unrealistic view.			

Dimensions of Population Growth

•	= the level at which a national population ceases to grow.
	Some countries have achieved this; their major problems will involve the aged, not the young.
•	= the time required for a population to double in size. The formula to determine
	this number = 70 / rate of increase (this number reflects the current trend, it is not an absolute certainty).

• Fill in the doubling time for the table to the right:



Rate of Increase (%)	Doubling Time (yrs.)	Example (1998)
0.50		Ireland
0.60		United States
1.00		China
2.00		Costa Rica
3.50		Yemen

• _____ = rapid growth of the world's population over the past century.

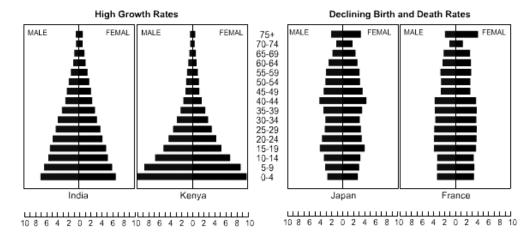
Population Structure

• _____ = graphic representation (profile) displaying the *composition*

of a population; shows the percentages of the total population by age and sex, normally in five-year groups known as

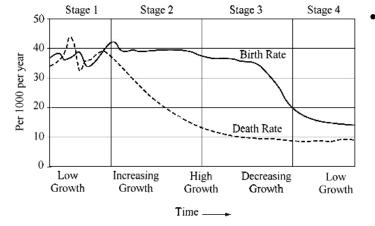
A pyramid with a wide base and a narrow top indicates a country with relatively _____ growth rates, whereas a more rectangular "pyramid" indicates a country with relatively _____ growth rates.

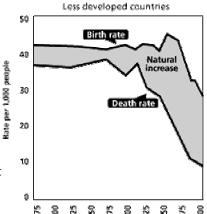
Year	Population	Doubling Time
0	250 million	16 centuries
1650	500 million	170 years
2000	6 billion	35 years

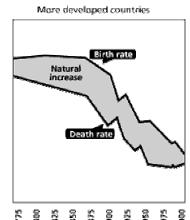


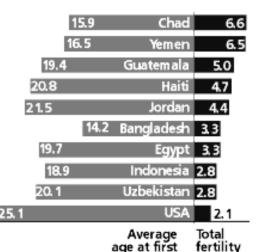
Demographic Cycles and Change

- ____ = difference between the number of births and the number of deaths during a specific period (usually 1 year).
 - _____ rate = CBR; number of live births per year per thousand people in a population (low birth rates are associated with modernization industrialization and urbanization except for China).
 - rate = CDR; number of deaths per thousand; also known as the mortality rate. Should be viewed in the context of _____ mortality (deaths of infants before reaching their first birthday).
- _____ rate = number of children born to women of childbearing age; usually reported as the number of children per woman.
- To calculate demographic change in a country or region, we use a simple formula: TP = OP + B D + I E









marriage

model = multistage model based on Western Europe's (UK's) experience of changes in population growth due to industrialization.

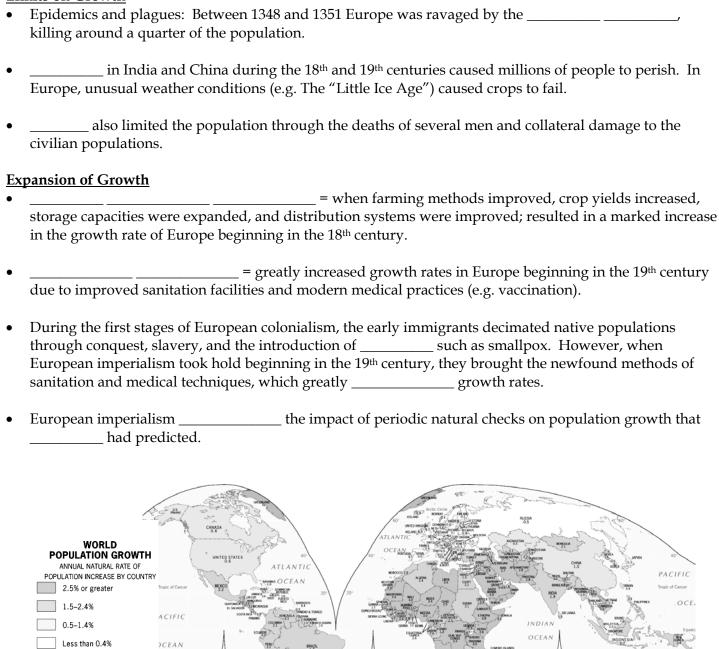
- _____ stage = 1st; high fertility and high mortality; highly variable population, but with little long-term growth (no modern country exists in this stage).
- _____ stage = 2nd; high fertility and declining mortality; leads to increasing growth (many developing countries are in this stage today).
- * The actual *demographic transition* is represented by stages 2 and 3, in which birth and death rates fall.
- _____ stage = 3rd; declining fertility and mortality, but with already-low mortality, population growth continues (e.g. the United States is in this stage).
- _____ stage = 4th; low fertility and low mortality; very low rate of growth (some countries are actually experiencing negative growth such as Russia, Germany, and Japan).
- There are quantitative differences between the situation in developing countries today with that of nineteenth century Europe. When Europe's population revolution began, the base was much *smaller* (Britain had between 6-7 million people). It is unwise to assume that all countries will progress in the same way.

Population Changes in the Past

Limits on Growth

Data not available

2000 3000 Kilometers



The map above is from pgs. 66-67 from the text. Key points to ponder: Regions with the highest growth rates includes Subsaharan Africa, Soutwest Asia, and Central America. Regions with the lowest growth rates are located across the north including the U.S. and Canada, Europe, Russia, Japan, and Australia.