NameTEACHER KEY		_ Period	_ Date	
Environmental Science – /				
Directions: Fill in the information from the Classroom Chart or the online chart.				
<i>Environmental Science Standar</i> SEV5. Students will recognize t		rt of the global ecos	system and will evaluate the	
effects of human activities and			system and win evaluate the	
			ling humans. Relate these to	
factors affecting	growth rates and carryin	g capacity of the en	vironment.	
		· ·		
1.) Put chart in Science Note	-	r 9 Word Study		
after it has been checked.		accurate	yesno	
 2.) <i>Key Terms and Main Ideas</i> were complete and accurateyesno 3.) All information was written neatly, spelled correctly, and easy to see 				
with no abbreviat		y, and easy to see	yesno	
4.) <i>Studying Human Populations</i> information was complete and			,	
accurateyesno			yesno	
(Part of Notebook Grade)				
<u>KEY TERMS</u> – Pick one	MAIN IDEAS - Copy	the information	below.	
key term from each				
section and write a				
sentence on the lines				
provided.				
Chapter 9.1 Key Terms	Chapter 9.1 Main Ide	eas		
 Demography 	 Human population growth has accelerated in the last few 			
Age structure	centuries. The	main reasons for	r this growth were	
Survivorship	improvements	in hygiene and ir	ncreases in food production,	
Fertility rate	which were im	pacted by the inc	dustrial and scientific	
Migration	revolutions.			
Life expectancy	 Demographers 	s try to predict po	pulation trends using data	
Demographic	- .		ship, fertility rates, migration,	
transition	and life expect	•		
	•	•	nodel, countries progress	
		•	in birth rates, death rates, and	
	-		in bitti rates, death rates, and	
	population size	5.		
Chapter 9.1 Key Terms	Chapter 0.2 Main Ide			
Infrastructure	Chapter 9.2 Main Ide		es resources faster than they	
 Arable land 	•	• • •		
 Urbanization 		-	most critically affected are	
 Least developed 	-	od, water, and ar		
countries	-	•	be labeled more developed or	
	-		s are going through the	
	• •		ame way that the more	
	developed cou			
	 Some countrie 	s attempt to redu	ace birth rates directly through	
	public advertis	ing, family planni	ing programs, economic	
	incentives, or	legal punishment	s for their citizens.	

STUDYING HUMAN POPULATIONS

Directions: Read the information and answer the questions.

The Bubonic Plaque

The Bubonic Plague or Black Death was an epidemic that started in Asia and spread to Europe and North Africa in the 1300s. The plaque was caused by a bacterium that was transferred from rats to humans by fleas. Effects include swelling of the lymph nodes, fever, chills, coughing, breathing difficulty, and death if left untreated. The role of rats and fleas in spreading the disease was not understood until the late 1800s. Between 1347 and 1350, as many as 20 million people in Europe died from the disease. The plague heavily affected urban areas. At that time, urban areas were crowded and unsanitary. Piles of garbage were breeding grounds for rats. Epidemics of the plague spread across Europe until the 1800's, but none were as severe as the initial outbreak. The plague still occurs today. Worldwide there are between 1,000 and 2,000 cases a year.

1.)	What was the Bubonic Plague?
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2.)	What was the Black Death caused by?
2 \	Here was the Dubanic Diague transformed to people?
3.)	How was the Bubonic Plague transferred to people?
4.)	How many people in Europe died as a result of the Bubonic Plague?
,	
5.)	What area of the human population was the most affected by the Plague?

The Industrial Revolution

Death rates and life expectancy changed in a variety of ways during the Industrial Revolution in Europe and the United States. The movement of people into cities for employment in factories led to overcrowding and epidemics of disease. Scientific study of these epidemics led to improvements in sanitation and nutrition. Furthermore, scientists began to understand that bacteria were the cause of many diseases. This knowledge led to new methods of prevention and treatment. Infant mortality rates declined dramatically. Industrial machinery led to the production of more food, clothes, and other materials. New forms of transportation made food, medicines and other goods available to more people. So in the last 300 years, advances in health care, transportation, and agriculture contributed to rapid human population growth.

- 6.) What two things changed during the Industrial Revolution?
- 7.) What were the main problems that occurred when people began to move into urban areas?
- 8.) How did scientific studies improve the conditions of people in cities?
- 9.) How did transportation change life for people?
- 10.) What were the three main improvements that contributed to rapid population growth for people?