1)Define, give an example, and explain why it is an example for the following terms:

1. Cohort
2. Census
3. Dependency ratio
4. Doubling time
5. Ecumene
6. Pandemic
7. Overpopulation

2) Draw the Demographic Transition model. Explain what you would find in each stage and give an example country in each stage. Explain why the country is in that stage.

3)Choose a two different countries for each of the following terms and research the current statistics (14 Different countries total). Provide an explanation for what the statistic means and how that country relates to More Developed Countries (MDCs), Less Developed Countries (LDCs), what stage of the demographic transition you think that country is in and why you think that.

1. Agricultural Density
2. Crude Birth Rate
3. Crude Death Rate
4. Infant Mortality Rate
5. Life Expectancy
6. Natural Increase Rate
7. Zero Population Growth

4) Where would you find the four most populated regions on earth? What is the Top 10 most populated countries in the world? How do these two statistics relate? What is the most populated region in the US?

5) How many people currently inhabit the earth?

6) Explain what the Natural Increase Rate (NIR) is? What is the current NIR? How does it compare/ contrast to the Total Fertility Rate?

7) What are the four types of areas that humans rarely occupy? Give an example of each type.

8) What is the difference between arithmetic and physiological density? Why would you use one vs. the other?

9) What does agricultural density mean? What can a low agricultural density mean? What does a high agricultural density mean?

10) What is an age-sex ratio? How does the age-sex ratio compare in MDCs to LDCs?

11) Draw a population pyramid for two countries and describe what stage in the demographic transition each is in? How can you tell what stage a country is in by looking at the population pyramid?

12) Describe Thomas Malthus’ Population Theory? How does Population grow? How does Food grow? Explain each growth. Was Malthus correct in his theory? Why or Why not? What other theories are out there on food and population growth?

13) What are positive and negative checks? How do they relate to Malthus’ population theory?

14) What is epidemiology? Describe the epidemiological transition model. How does each stage relate to the Demographic Transition model. Give example of each stage.

15) Describe the Industrial Revolution. What is the first country to go through it? When did they go through it? When did the US go through it?

16) What is the Medical revolution? How has it affected the world? How does it relate to the demographic transition model.