**Population Unit Test Study Guide Chapter 8 and 9**

1. Define competition:
2. Explain why there is always competition between individuals of the same species
3. Define and sketch a graph that illustrates exponential growth
4. Define carrying capacity:
5. What factors might influence the carrying capacity of our planet for humans?
6. Write the equation used to calculate a population’s growth rate:
7. The study of human populations is called:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Why has the human population grown rapidly in the 20th Century
9. What information can demographers get from a population pyramid?
10. Define the following:

Age structure:

Survivorship:

Total fertility rate:

Migration:

Life expectancy:

Infant mortality:

The demographic transition:

1. Which three countries have the highest population?
2. Which region of the world has the fastest rate of population growth?
3. Describe the consequences of rapid population growth
4. Describe what is happening during each of the 4 stages of the demographic transition
5. What strategy has proved successful in lowering birth rates in the developing world? Why has it been a success?
6. Describe worldwide population projections for the next 50 years