**APES- Chapter #4- Guided Reading**

***The Human Population and the Environment***

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1: *What is keeping* **Bangladesh** from addressing its major environmental issues?

2: Define: **Population:**

3: Define: **Population Age Structure:**

*\*\* Make sure to KNOW the Human Population Terms on Pg. 54*

4: Explain the difference between ***immigration and emigration.***

5: Write out and define the ***population change formula***.

6: How does a population reach ***zero population growth***?

*\*\* Make sure to KNOW the Growth of the Human Population on pg. 57*

7: Explain the ***logistic growth curve*** and ***logistic carrying capacity*** as it applies to human population growth over time

8: Who is the **World Bank** and what is it’s responsibility?

9: Describe the 3 steps of the **demographic transition**.

10: How can we calculate the ***total impact of the human population*** on the environment?

11: Who was **Thomas Malthus** and what was he famous for? *Explain.*

12: What is the **human carrying capacity of the Earth**? *Explain why it is so difficult to define.*

13: How will *medical advances* change the demographic transition?

14: How will *industrialization* affect the demographic transition?

15: What are some of the ***limiting factors for human populations***?

16: What are some solutions to *help decrease human population*? **Explain 3.**

17: Given a world population in 1990 of 5.3 billion with a growth rate of 1/8%, what is the doubling time? Show your calculations.

18: What is meant by the statement, *“What is good for an individual is not always good for a population?”*

19: Based on the history of human populations in various countries, how would you except the following to change as per-capita income increased: **(a) birth rates, (b) death rates, (c) average family size, and (d) age structure of the population?** *Explain each.*