APES- Chapter #4- Guided Reading

The Human Population and the Environment

Case Study

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

4.1 and Working it out 4.1

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

4.2-

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

4.4

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

4.5

9: Describe the 3 steps of the demographic transition.

4.6

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

A closer Look 4.3

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

4.7

12: What is the human carrying capacity of the Earth?

13. 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?

4.8

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

4.9

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.