**APES Chapter 6: The Human Population and Its Impact**

**Note Taking Focus Questions**

**Directions:** Use the Cornell Method of note taking as you answer the questions below. Your notes must be **hand written** to receive credit for them. Within your notes, use the title for each subsection of notes which is *in italics and underlined.*

**Core Case Study: Planet Earth: Population 7 Billion**

1. Describe why some scientists feel that the current exponential population growth is unsustainable.

2. List the three major factors that account for the rapid rise of the human population.

**Section 6-1**

*Human Population Growth Trends*

1. What 3 trends do demographers notice about human population growth?

*Human Population Growth Impacts Natural Capital*

1. Define cultural carrying capacity.

2. Use the box in the lower corner of p. 125 to list how a growing human population degrades natural capital.

**Science Focus 6.1: How long can the human population keep growing?**

Read the science focus on p. 124 and 125. Answer the critical thinking questions at the end of reading.

**Section 6-2**

*Factors the Influence Human Population Size*

1. Define crude birth rate, crude death rate, and population change.

2. Define fertility rates.

3. Explain the difference between replacement-level fertility rate and total fertility rate.

4. List and explain the *Factors that Affect Birth and Fertility Rates*.

*Factors that Affect Death Rates*

1. What is responsible for the rapid population growth in the last 100 years.

2. List the reasons why people are living longer.

3. List and explain the two things that are indicators of the overall health of people.

*Migration*

1. What is the difference between immigration and emigration?

2. Why do people migrate?

**Section 6-3**

*Population Age Structure Diagrams*

1. Define age structure, and what does it reveal about a population?

2. What is age structure diagram?

3. How is it set up – what does it look like, what two ways are individuals divided?

4. What does it mean if a population has a wide base, and what is that called?

\**Leave 3 or 4 lines to copy some additional notes.\**

*Case Study: The American Baby Boom*

Read over the case study on p. 132 and 133. Describe what the baby boom is and the economic implications of it.

(over)

*Problems with Rapid Population Decline*

1. Read the section titled “Populations Made up Mostly of Older People Can Decline Rapidly” and look at figure 6-14 on p. 133. List some problems countries face when they have a rapidly declining population.

2. List some countries that currently face these issues.

*AIDS – Causing Rapid Population Decline in Some Countries*

1. Why does AIDS disrupt a country’s social and economic structure?

2. What part of the world is seeing a significant rise in death rate due to AIDS?

3. How does AIDS impact economic growth in the countries where it is a problem?

**Section 6-4**

*Slowing Population Growth by Promoting Economic Development*

1. What is meant by demographic transition?

2. Use figure 6-16 to list and explain the four stages of demographic transition.

*Slowing Population Growth by Empowering Women*

1. What is meant by “empowering” women? What would that entail?

2. How would this slow population growth?

*Slowing Population Growth through Family Planning*

1. Define family planning, and list what it would include.

2. By what % has family planning reduced total fertility rate?

3. How has family planning had financial benefits?

*Case Study: Slowing Population Growth in India*

Read over the case study on p. 136 and 137. Describe India’s population growth, its efforts to slow population growth, why they have only been partially successful, problems that India will face if population growth continues.

*Case Study: Slowing Population Growth in China: A Success Story*

Read over the case study on p. 137 and 138. Describe why China implemented population control policies, what did they include, and how successful they have been.