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

**Chapter 4 Reading**

*Population Growth and Decline*

Pages 54 – 67

All material in this chapter is fair game for quiz questions, which includes vocabulary. This means that you need to **READ** the whole chapter and not just answer the questions.

**Population Growth and Decline**

1. How did the human population grow before the 1800s?
2. When did humans reach one billion?
3. How many humans are here today?
4. How many humans will there be in 2100?

**Measuring the Number of Births**

1. What is crude birth rate (CBR)?
2. What is total fertility rate (TFR)?
3. What was the TFR in the 1800s?
4. What was the average life expectancy (LE) of people in the 1800s?

**Changes in Fertility**

1. What unintentionally lowered the rate of births in Europe?
2. What replaced child labor?

**Role of Women in Society**

1. What FOUR things impact the decision to have children?

|  |  |
| --- | --- |
| 1 | 3 |
| 2 | 4 |

1. Why did urban women have fewer children?
2. What were children doing before going to public school?
3. As education increased for girls and women, what happens to the number of children she has?
4. What happens to the age of marriage for educated women?

**Family Planning**

1. Family planning aided people in what way?
2. What FOUR things do countries with access to family planning experience?

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| --- | --- |
| 1 | 3 |
| 2 | 4 |

1. What historic event helped drop fertility rates in nations across Europe and the United States?
2. What causes higher fertility rates and shape attitudes about children?

**Government Programs to Reduce Births**

1. What is overpopulation?
2. What is anti-natalist policy?
3. What Chinese program was introduced in 1972?
4. What Chinese program was introduced in 1979?
5. When did the One Child Policy end?
6. What happened to the size of the labor force in China?
7. What gendered child was preferred in China?
8. What TWO things happened to girls?

|  |  |
| --- | --- |
| 1 | 2 |

1. What decreased teen pregnancy in Europe?
2. What increased marriage age in Africa and South Asia?

**Government Policies to Encourage Birth**

1. What TWO reasons would government increase family size?

|  |  |
| --- | --- |
| 1 | 2 |

1. What is pro-natalist policy?
2. What THREE things can governments encourage an increase in TFR?

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |

**Life Expectancy/Global Population Increase**

1. What is life expectancy (LE)?
2. What was the average LE for the globe a century ago?
3. What is the average global LE today?
4. What is the LE of Europe?
5. What is the LE in Sub Saharan Africa?
6. What is infant mortality rate (IMR)?

**Better Food Production and Nutrition**

1. What THREE things helped increase LE?

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |

1. More food and less farmers allowed the US to do what?

**Advances in Public Sanitation**

1. What spread as population concentration grew?
2. What significantly reduced mortality rates in cities?
3. Before the Industrial Revolution, where was trash dumped?
4. What reduced water borne illnesses?

**Improvements in Health Care**

1. What THREE medical advances increased LE?

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |

1. When was the last case of small pox reported?
2. What was the first widely used antibiotic?

**The Demographic Transition Model**

1. What does the demographic transition model show?

1. Complete the effects of birth rates (BR), death rates (DR), and Population change for each stage of the demographic transition model.

Stage 1: BR \_\_\_\_\_\_\_\_\_\_\_\_ ; DR \_\_\_\_\_\_\_\_\_\_\_\_ ; Pop. Change \_\_\_\_\_\_\_\_\_\_\_\_
Stage 2: BR \_\_\_\_\_\_\_\_\_\_\_\_ ; DR \_\_\_\_\_\_\_\_\_\_\_\_ ; Pop. Change \_\_\_\_\_\_\_\_\_\_\_\_
Stage 3: BR \_\_\_\_\_\_\_\_\_\_\_\_ ; DR \_\_\_\_\_\_\_\_\_\_\_\_ ; Pop. Change \_\_\_\_\_\_\_\_\_\_\_\_
Stage 4: BR \_\_\_\_\_\_\_\_\_\_\_\_ ; DR \_\_\_\_\_\_\_\_\_\_\_\_ ; Pop. Change \_\_\_\_\_\_\_\_\_\_\_\_
Stage 5: BR \_\_\_\_\_\_\_\_\_\_\_\_ ; DR \_\_\_\_\_\_\_\_\_\_\_\_ ; Pop. Change \_\_\_\_\_\_\_\_\_\_\_\_

**Demographic Transition Model and Population Pyramids**

1. What country fits stage 2?
2. What is an expansive population pyramid?
3. What type of country fits stage 2?
4. What country fits stage 3?
5. What country fits stage 4?
6. What is a stationary population pyramid?
7. What type of country fits stage 4?
8. What country fits stage 5?

**Policy Implications**

1. What challenge does a stage 2/3 country face with lots of young people?
2. What challenge does a stage 4/5 country face with lots of old people?
3. What allows old people to have more power than young people?

**Rate of Population Increase**

1. What is crude death rate (CDR)?
2. What is the natural increase rate (NIR)?
3. What is the crude birth rate (CBR) of the globe?
4. What is the crude death rate (CDR) of the globe?
5. What is the NIR of the globe?

**Demographic Balancing Equation**

1. What is immigration?
2. What is emigration?

**Population Doubling Time**

1. What TWO ways do demographers describe population growth?

|  |  |
| --- | --- |
| 1 | 2 |

1. What is the Rule of 70?
2. What is the doubling time for the Ivory Coast?
3. What is the doubling time for the United States?

**Epidemiological Transition Model**

1. What is the epidemiological transition model?
2. What diseases are found along each stage of the epidemiological transition model?

|  |  |
| --- | --- |
| **Stage 1** |  |
| **Stage 2** |  |
| **Stage 3** |  |
| **Stage 4** |  |
| **Stage 5** |  |

1. What THREE things increase LE?

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |

1. What major lifestyle change has helped increase LE in the US?

**Geographic Perspective: Thomas Malthus**

1. What did Malthus predict that society was heading towards?
2. Malthus believed food production would increase \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ while population would increase \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. What is the Malthusian Theory?
4. What do Neo – Malthusians argue today?