AP Human Geography
Unit 2: Population and Migration Day 2

Chapters 2 and 3 in textbook (pages 34-97)
**Demographic Transition Model (DTM)**

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<td><strong>Will need three colored pencils.</strong>&lt;br&gt;1. Total Population&lt;br&gt;2. CBR&lt;br&gt;3. CDR</td>
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Demographic Transition

\[ \text{growth rate} = \left( \frac{\text{current} - \text{initial}}{\text{initial}} \right) \times 100 \]
Demographic Transition Model

Demographic Transition - the change in population characteristics of a country to reflect medical technology or economic and social development.
MODEL OF THE DEMOGRAPHIC CYCLE

Stage 1
Low growth
18th Century

Stage 2
Increasing growth
19th Century

Stage 3
Population explosion
20th Century

Stage 4
Decreasing growth
21st Century

Stage 5
Declining population
Future

Birth Rate

Death Rate

Per thousand per year
0 10 20 30 40 50

Stage 1

Birth Rate and Death rate are high
Natural increase is low
*no countries are in this stage today*
All countries are here due to the Ag. Rev.
Stage 1

Most of human history was spent in this stage.

Why the high death and birth rates?

Marked by slow population growth and high human suffering
Stage 2: Agricultural Societies

Death rate begins to drop
Birth rate remains high
Natural Increases rapidly
Current examples in SSA, C. America, Asia
Population pyramid=
Stage 2

MDC's
Enter stage 2 due to the Industrial Rev in the 1750s
Also the Second Ag. Rev.

LDC's
Enter stage 2 due to the Medical Revolution in the late 20th century
Stage 3: Industrial Societies

As the wealth and education of a country increases, social norms, and use of contraception dictate the birth of fewer children per woman. CBR starts to drop (Education levels of women) CDR continues to drop Natural increase rises Examples= Brazil, India, China, South Africa Population Pyramid=

Earth at Night
More information available at:
http://astw.gsfc.nasa.gov/spod/sp00127.html
Stage 3: Industrial Societies

MDC’s Move into stage 3 due to increased technology from Ind. Rev.

LDC’s/NIC’s Select LDC’s were chosen by MDC’s for investment (globalization) in the past 20/30 yrs. *outsource/offshore*
Stage 4: Tertiary Societies

This stage reflects a highly industrialized, educated society. CBR continues to drop (status of women) CDR remains low Natural Increase is stable or very slowly increasing Example= USA, Canada, Australia, W. Europe Population Pyramid=
Stage 4 Tertiary Societies

MDC’s
Most MDC’s are in this stage

Post industrial Societies

No current LDC’s
Stage 5: Declining Population

CBR drops below CDR and causes a negative Natural Increase

Population Pyramid=

Better healthcare, medicine, etc

Examples: Japan, Germany
Summarizing Questions

1. Where is the most population growth happening? (Stage and regions/countries)
2. What causes the CDR and CBR to drop?
3. What keeps birth rates high in LDC’s?
4. Stage that is likely to have the highest emigration? Why?
5. Stage that is likely to have the most immigration? Why?
More HANS! (Washing Machines)
World’s Fastest Shrinking Countries

1. Japan
2. Lots of Eastern Europe
3. South Korea
4. Germany
5. Russia

http://images.businessweek.com/ss/10/08/0813_fastest_shrinking_countries/26.htm