AP Human Geography
Unit 2: Population and Migration Day 1

Chapter 2,3 in textbook (pages 34-97)
Meet your boy HANS!!!
What is demography?

Important population terms
Overpopulation
Underpopulation
Density

What is happening to world population? Where is the greatest growth occurring?
**Ecumenes**: A portion of the earth’s surface occupied by permanent human settlement.

- What climates do people avoid?
  - too cold
  - too high
  - too dry
  - too wet
Population Density

Arithmetic Density
Physiological Density
Agricultural Density
Arithmetic Density: total number of people divided by the total land area

[Map showing different density categories across the world]
Physiological Density: total number of people divided by the area of farmable land.
Agricultural Density: total number of farmers compared to land suitable for agriculture
What a geographer is seeing.

Arithmetic Density- size of population, how many in a space.

Physiological Density- potential to support population (Overpopulation, Carrying Capacity)

Agricultural Density- efficiency of agriculture (developed, MDC v. less developed LDC)
## Density Case Study: Egypt, Japan, US

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<th>Country</th>
<th>Arithmetic Density</th>
<th>Physiological Density</th>
<th>Agricultural Density</th>
<th>Percent Farmers</th>
<th>Percent Arable</th>
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</table>
Crude Death Rate:

Death Rate per 1000 Population:
- 25-29/1000
- 20-24/1000
- 15-19/1000
- 10-14/1000
- 5-9/1000
- 1-4/1000

Data from 2010 World Population Data Sheet, Population Reference Bureau
Infant Mortality Rate:

Figure 7 | Sub-Saharan Africa Has the Highest Child Mortality Rates
(Mortality of Children Under Age 5 per 1,000 Live Births, 2005–2010)

Sub-Saharan Africa Has the Highest Total Fertility Rates
(Total Fertility Rate, 2005–2010)

Replacement Level - Fertility rate of 2.1

Figure 3 | All Regions Except Sub-Saharan Africa Are Projected to Reach Replacement Level Fertility by 2050 (Total Fertility Rate)

Life Expectancy:

LIFE EXPECTANCY AT BIRTH (IN YEARS)

- 80 and above
- 70–79
- 60–69
- Below 60
Couple more terms

**Doubling Time:**
The number of years needed to double a population, assuming a constant rate of natural increase.

**Dependency Ratio:**
Population under the age of 15 - usually shown as a percentage of the total population of a country - dependency ages
Population over the age of 65 - usually shown as a percentage of the population - dependency age
Work on in class for the rest of the period. What you do not finish complete over the weekend. Watch population pyramid vid on weebly or BlackBoard

Population Concentrations- 1. Shade in red the regions that have the highest population concentrations 2. Label the regions that are in the top 5 for population.

On the back: 1. Identify the climate region that has the highest populations. 2. Identify the major physical feature relative to the highest pop. concentrations. 3. Explain factors that contribute to population increases globally. 4. Define the following terms: CBR, CDR, IMR, Fertility Rate, Life Expectancy, Natural Increase