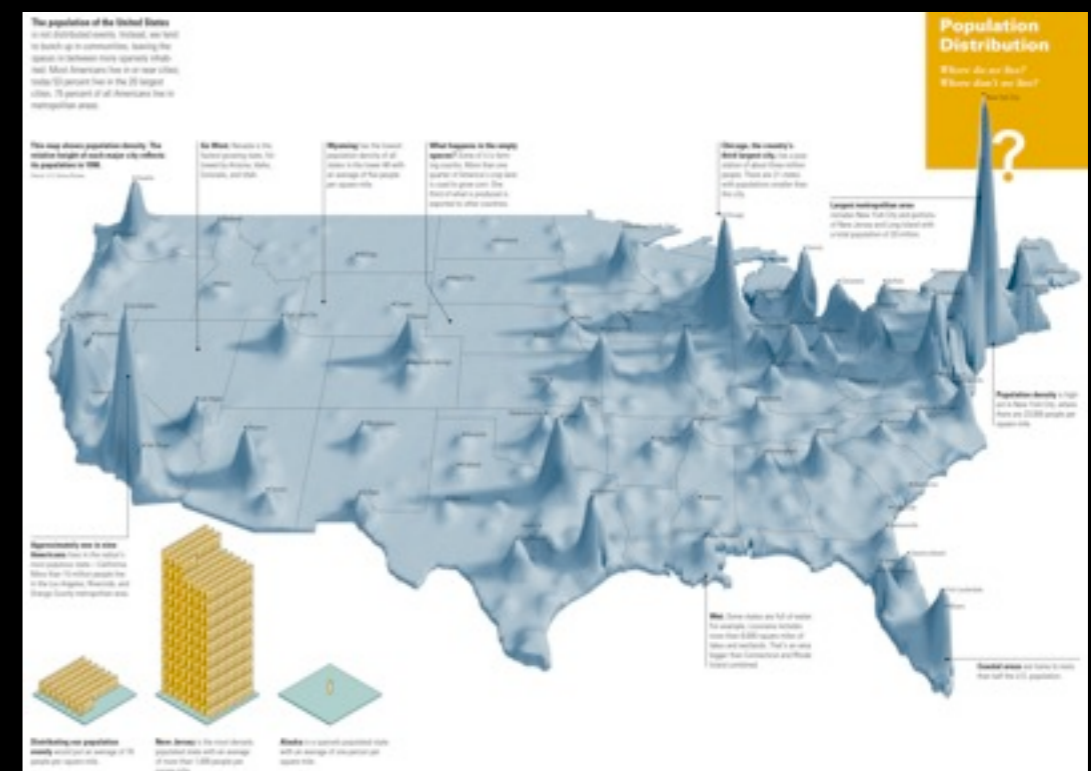


Do Now: Monday 11/1

- On a blank sheet of paper, title it Unit 2: Population & Migration
- Respond to the following question:
 - What is the total population of the world?
 - of the US?
 - of Maryland?
 - of Baltimore MSA?
 - of Baltimore City?



Populations

- Of the world: 6,878,700,000
- Of the US: 307,006,550
- Of Maryland: 5,699,478
- Of Baltimore MSA: 2.65 million
- Of Baltimore City: 636,919

Objective 1/1/1

- We will introduce the central concepts behind the geography of population
- We will examine ways that geographers analyze population size and distribution throughout the world

Homework/Updates:

- You are responsible to bring your book to class every day.
- Read Chapter 2 Key Issues before each day's presentation.
- You will be held responsible for the vocabulary in each Key Issue that is listed on each day. Be prepared for open/closed note quizzes at any time.
- Refer to the AP HUG calendar on board or website for reading and quiz schedule.

Unit 2: Population & Migration

- Ch. 2 Focus Questions:
- What factors determine the size, characteristics, movement, and distribution of people throughout the world?
- How has the world's population changed throughout human history? Why?
- Based on a geographic analysis of the world, is it becoming dangerously overpopulated?

Population

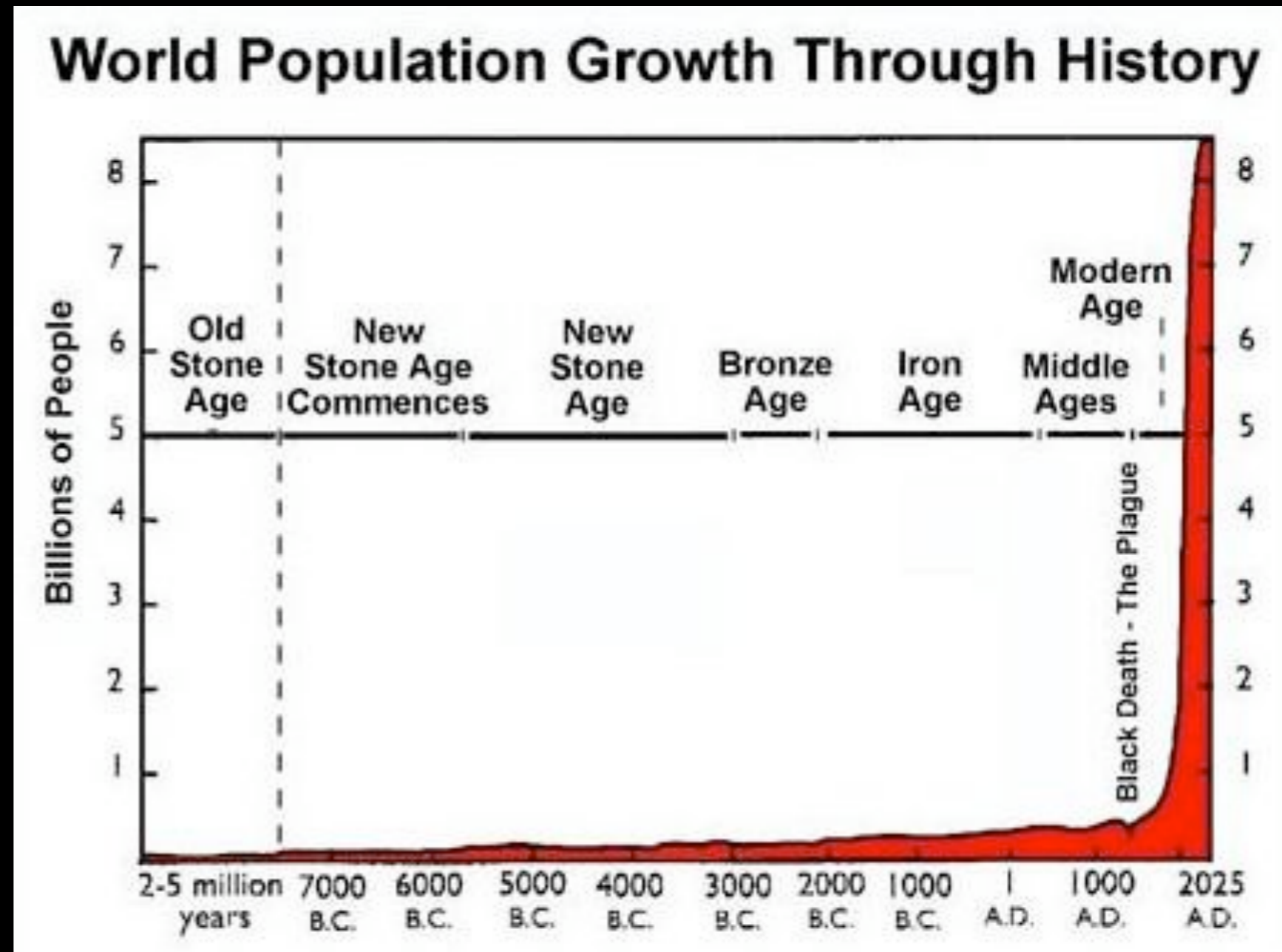
- Why is it important to study population?
 - 6.5 billion people alive, more than any other time in history
 - population increasing at faster rate than ever in history
 - all global population growth is concentrated in LDCs

Did you know...

- How is the importance of population size and growth represented in the following video?
- What implications does this information have on our country, and your future?
- <http://www.youtube.com/watch?v=emx92kBKads>

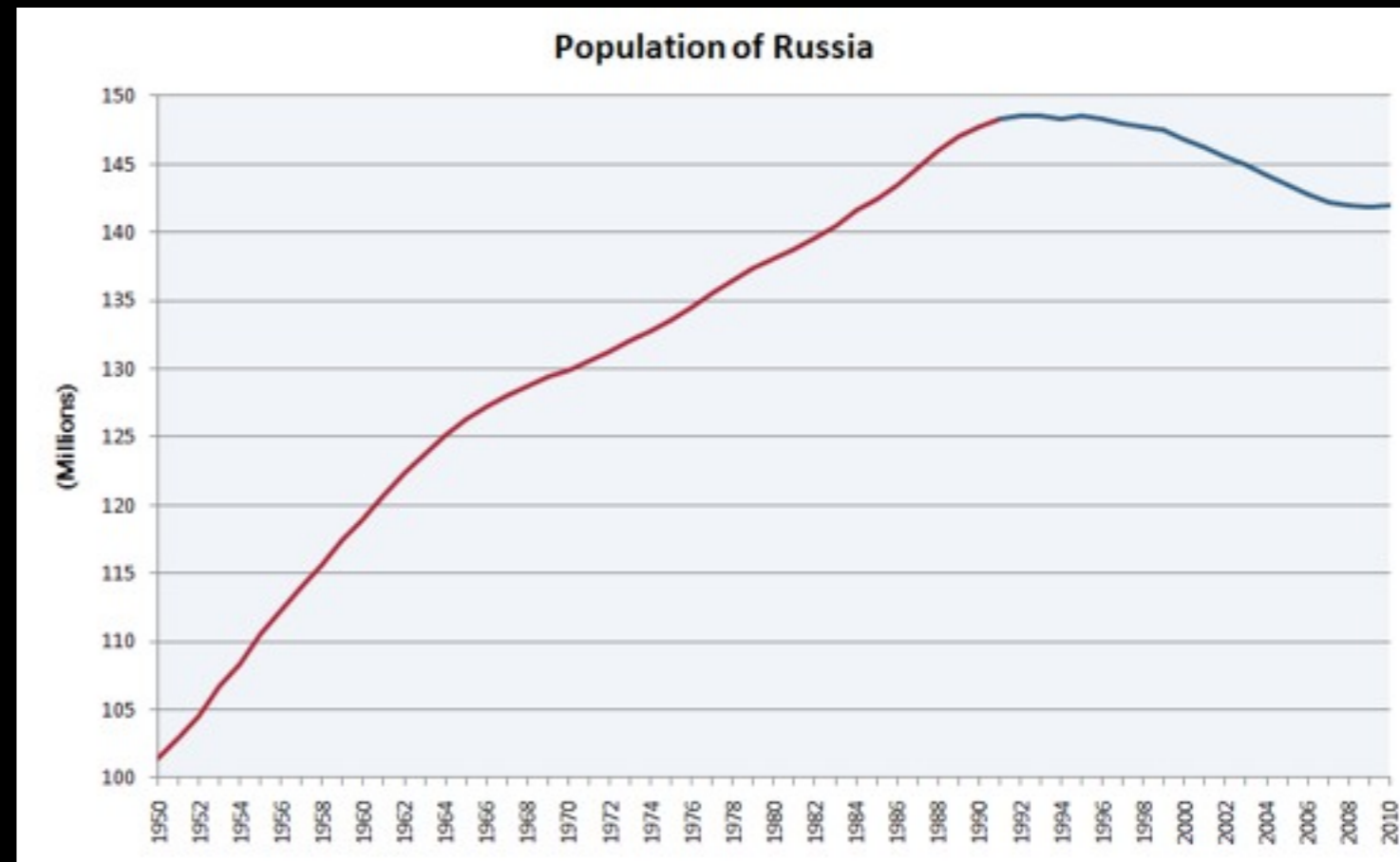
World Population Trends...

- Based on the following chart, write a 1 sentence description describing a trend in world population throughout history.
- What factors account for the recent explosion in population?



Population Growth

- The world's population is growing *exponentially*.
- Most of the growth is in LDCs
- More MDCs are at 0 population growth
- Some in Eastern Europe (Russia) are declining in population. Why?



Russia recently offered a bonus of 250,000 rubles (about \$9,200) to women who would have a second child.



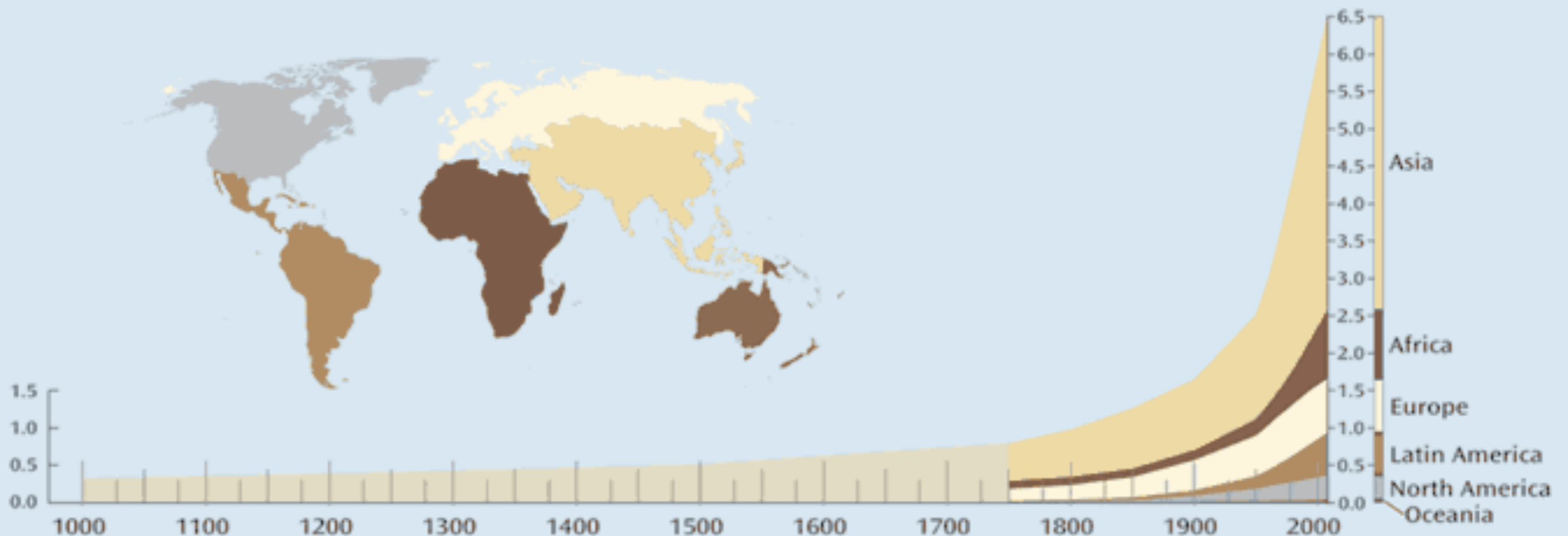
Population Growth

- What factors influence population growth...
 - amount of food
 - birth rates
 - life span
 - culture
 - contraceptives

Take 2 minutes and identify
2 other topics that are
directly related to population
size and growth throughout
the world.

Population Growth

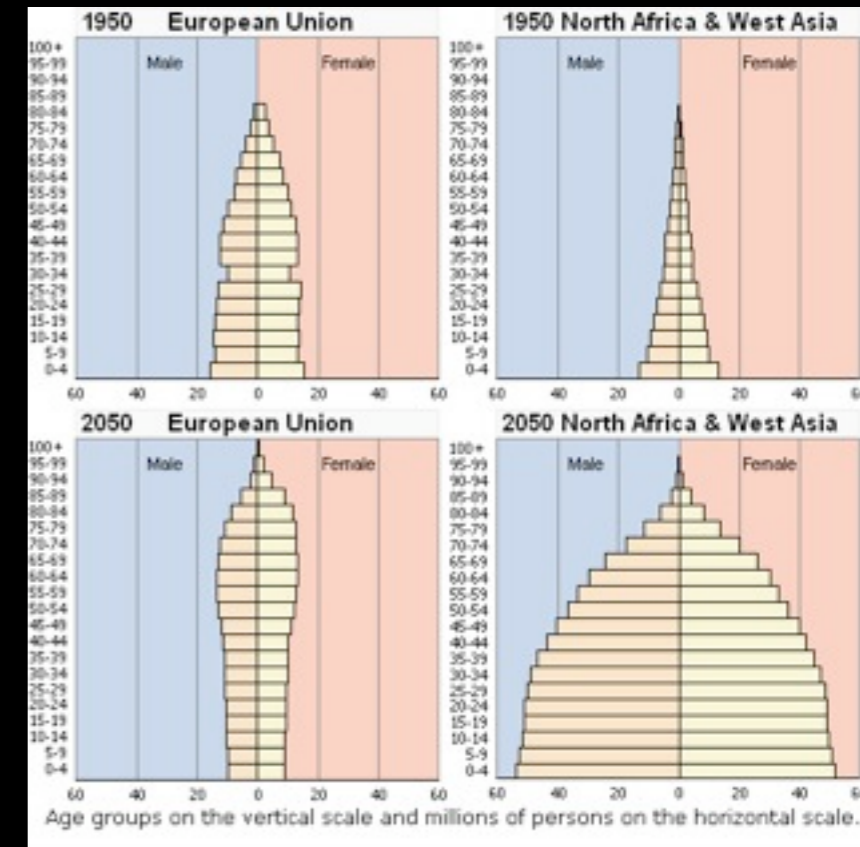
- Why do you think population is growing most rapidly in LDCs?
- 80% of the world's pop. live in LDCs in Africa, Asia, and Latin America
- What factors influence population growth or decline?



Sources: 1 - The World at Six Billion; Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat, World Population Prospects: The 2004 Revision and World Urbanization Prospects: The 2003 Revision, <<http://esa.un.org/unpp>> 2 - United Nations, 1973. "The Determinants and Consequences of Population Trends, Vol.1" (United Nations, New York). United Nations, (forthcoming). "World Population Prospects: The 1998 Revision" (United Nations, New York). <<http://www.geohive.com/global/>>

KI: I - Where is the world's population distributed?

- Demography - the study of population characteristics - use data like census statistics
 - (structure, change, dynamics)
- Demographics - the study of characteristics of the population
 - demographic data - specific data used to profile certain groups - used in marketing, political research and campaigning
 - controversy behind demographics - “profiling” groups of people

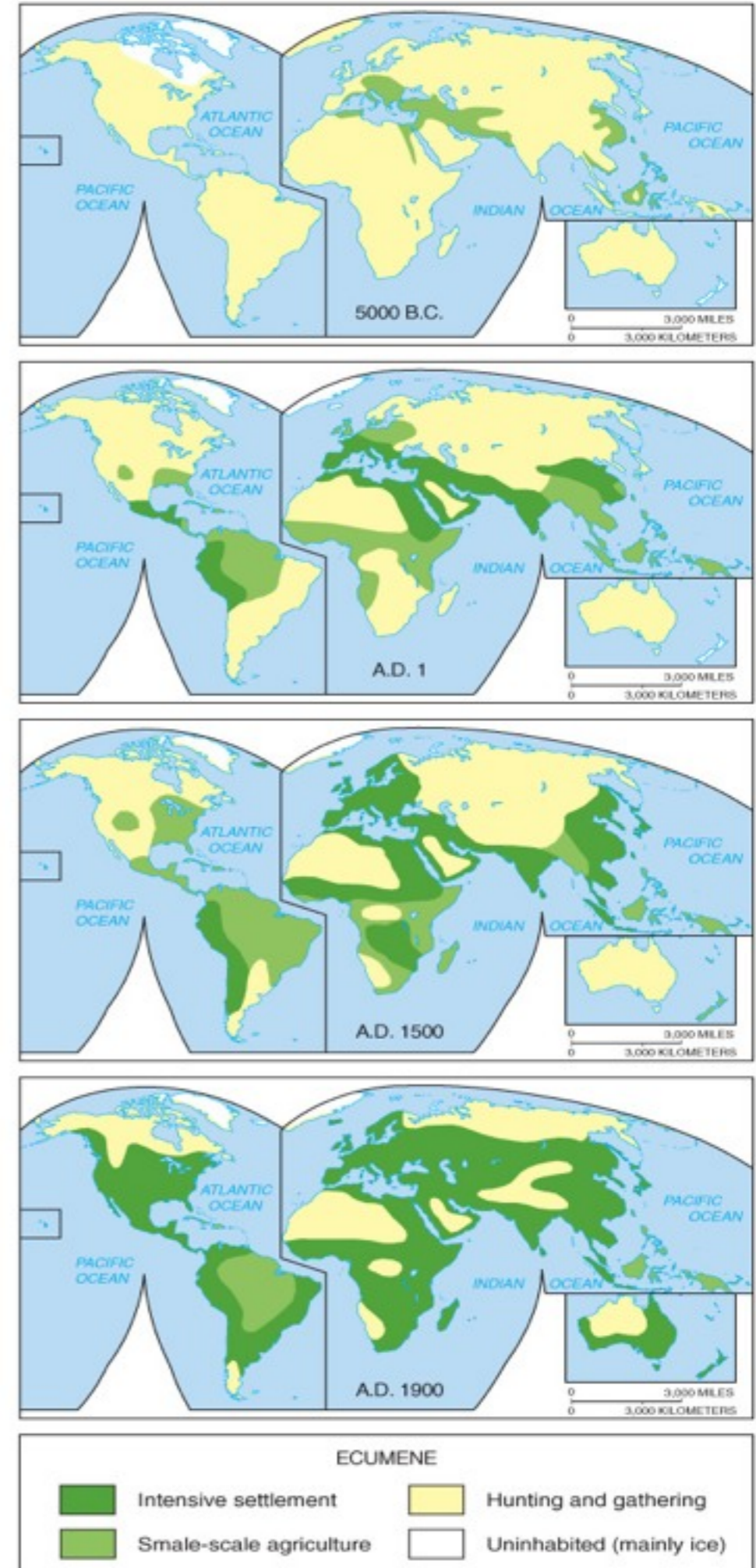


Expansion of the Ecumene

5000 BC -
AD 1900

75% live on only 5%
of the Earth's surface

Fig. 2-3 (pg. 50): The **ecumene**, or the portion of the earth with permanent human settlement, has expanded to cover most of the world's land area.



World Population Map Assignment

- Where do people live throughout the world?
 - 4 main regions: East Asia, South Asia, Southeast Asia, western & central Europe, and Northeastern US and Canada
- What is the distribution of people throughout the world? (density)
- How do geographers measure this distribution? (arithmetic, physiological, and agricultural density)

Arithmetic Population Density

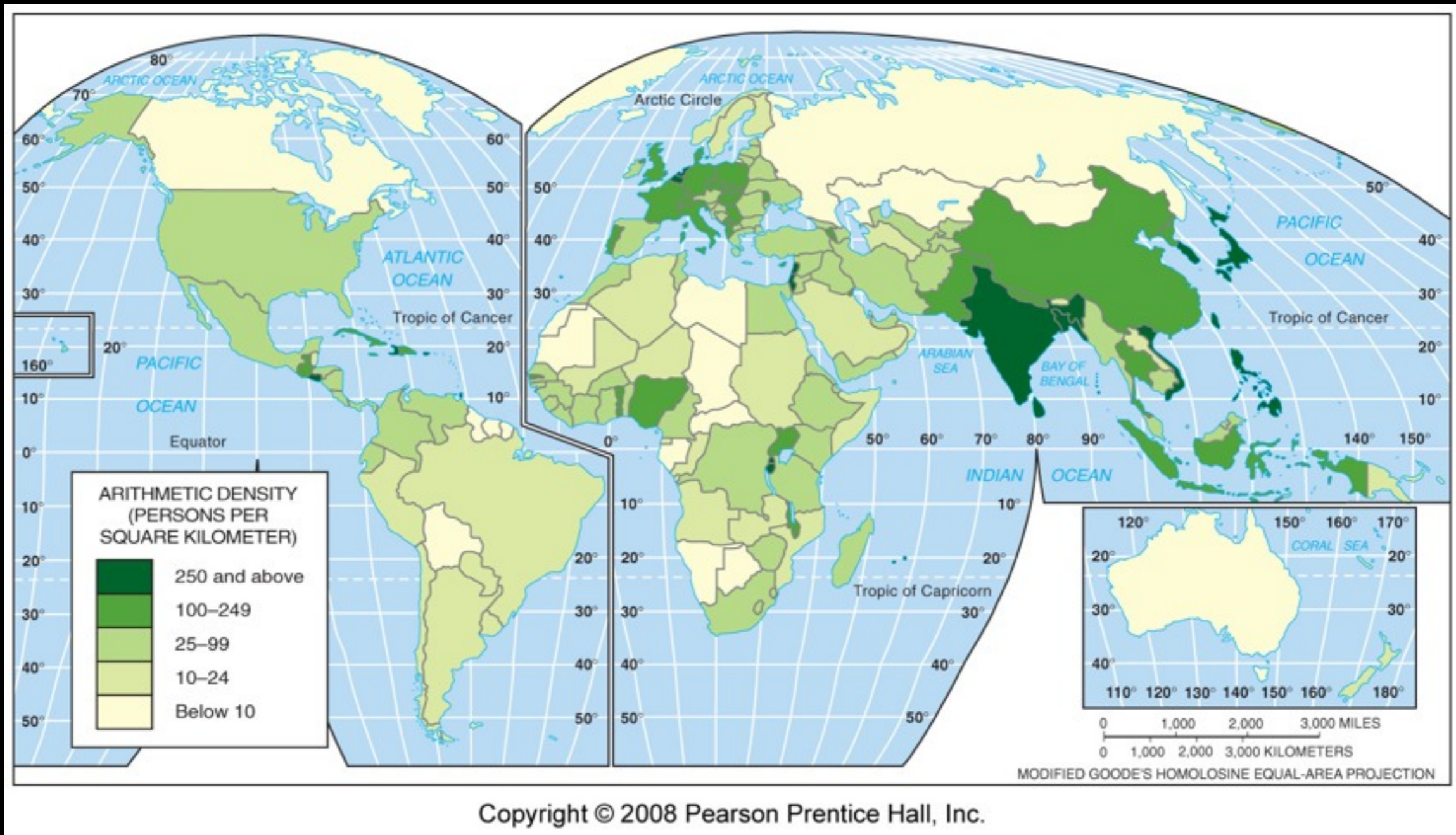
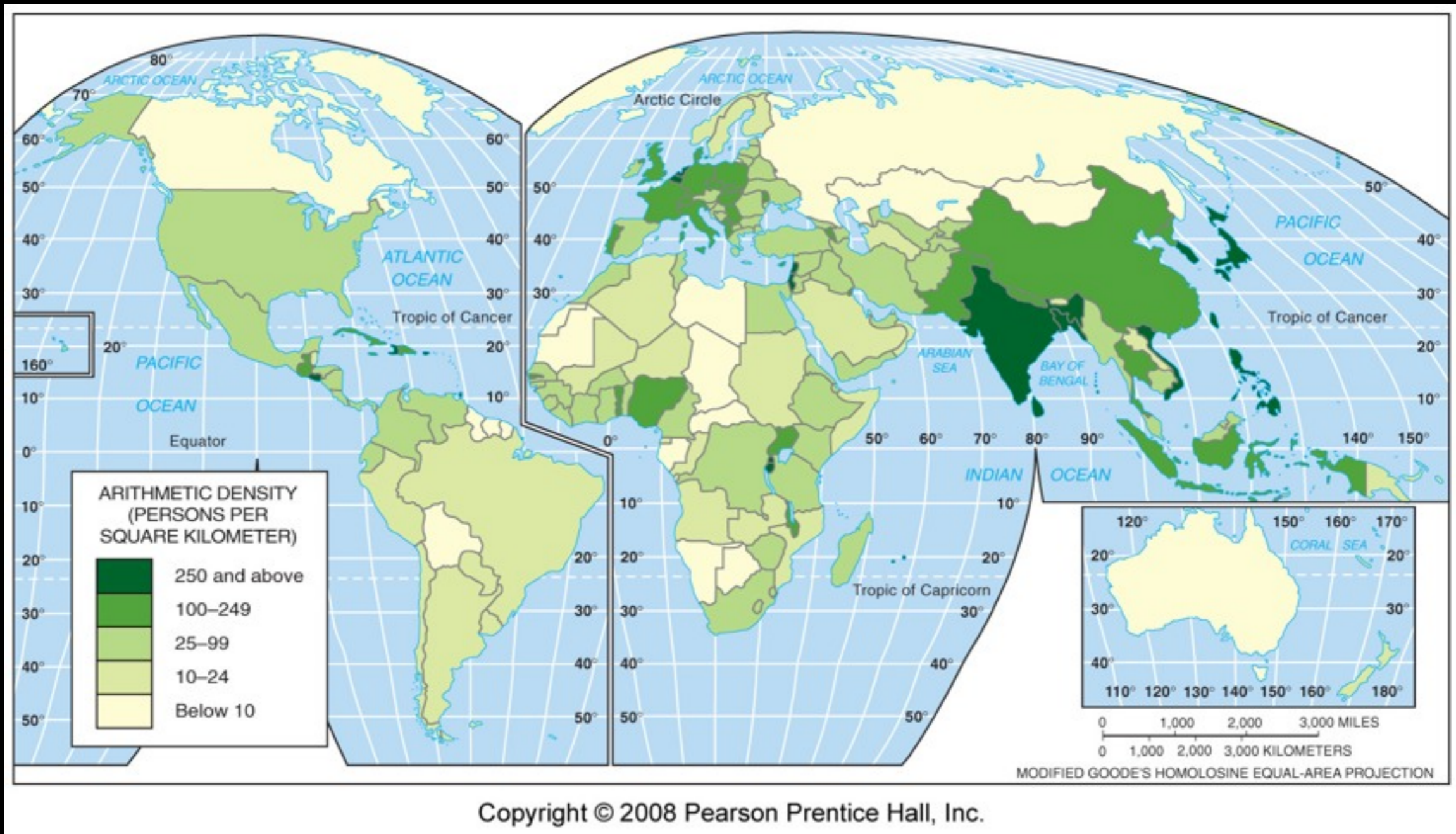


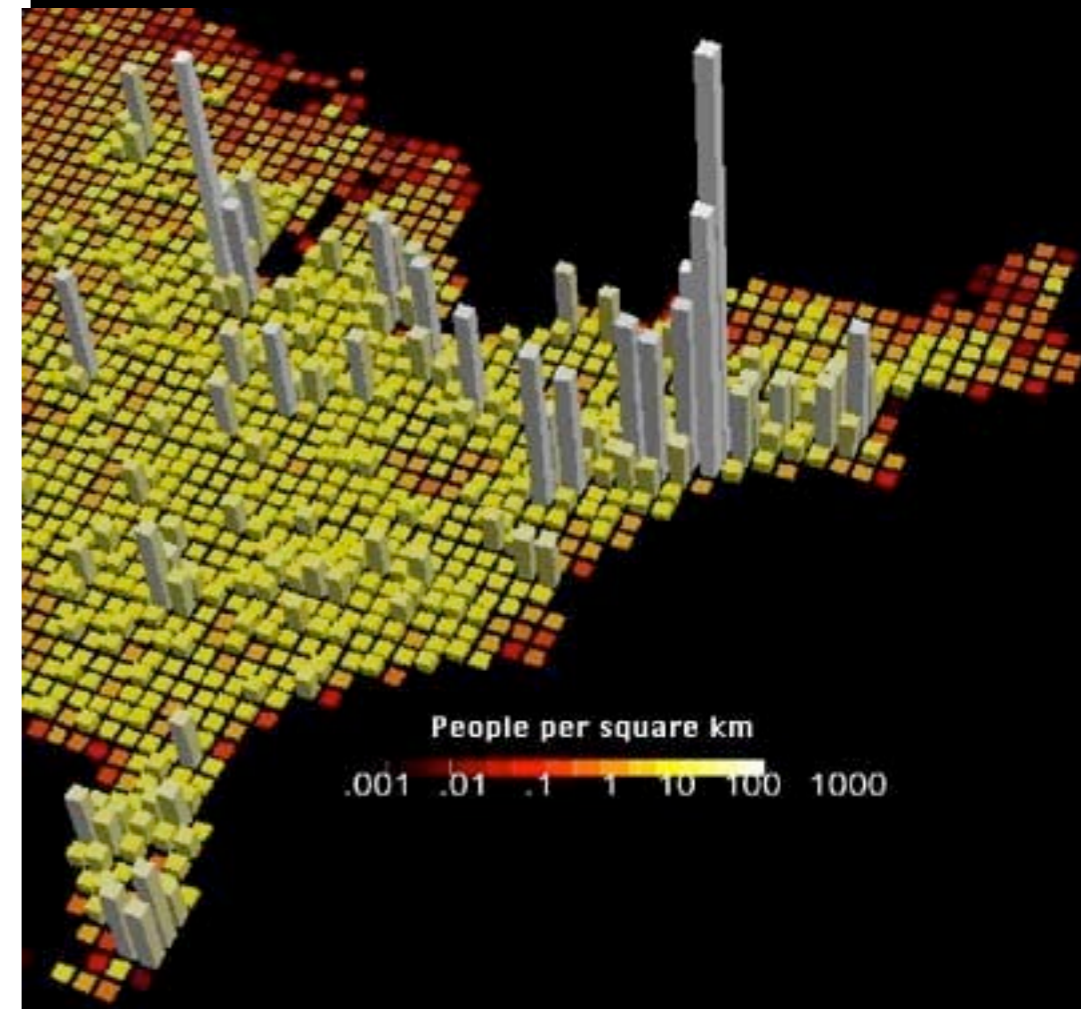
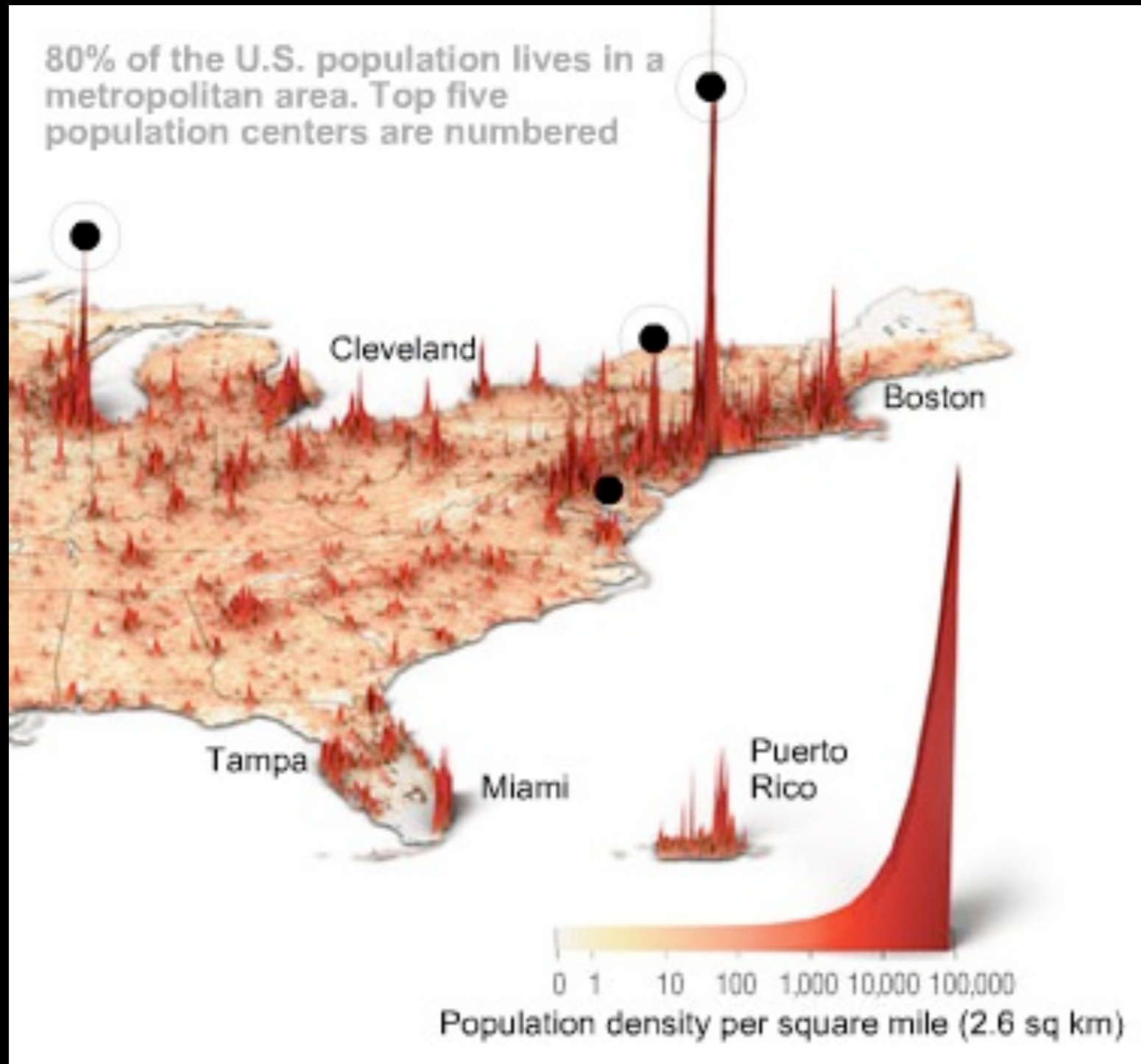
Fig. 2-4: Arithmetic population density is the number of people per total land area. The highest densities are found in parts of Asia and Europe.

Arithmetic Population Density

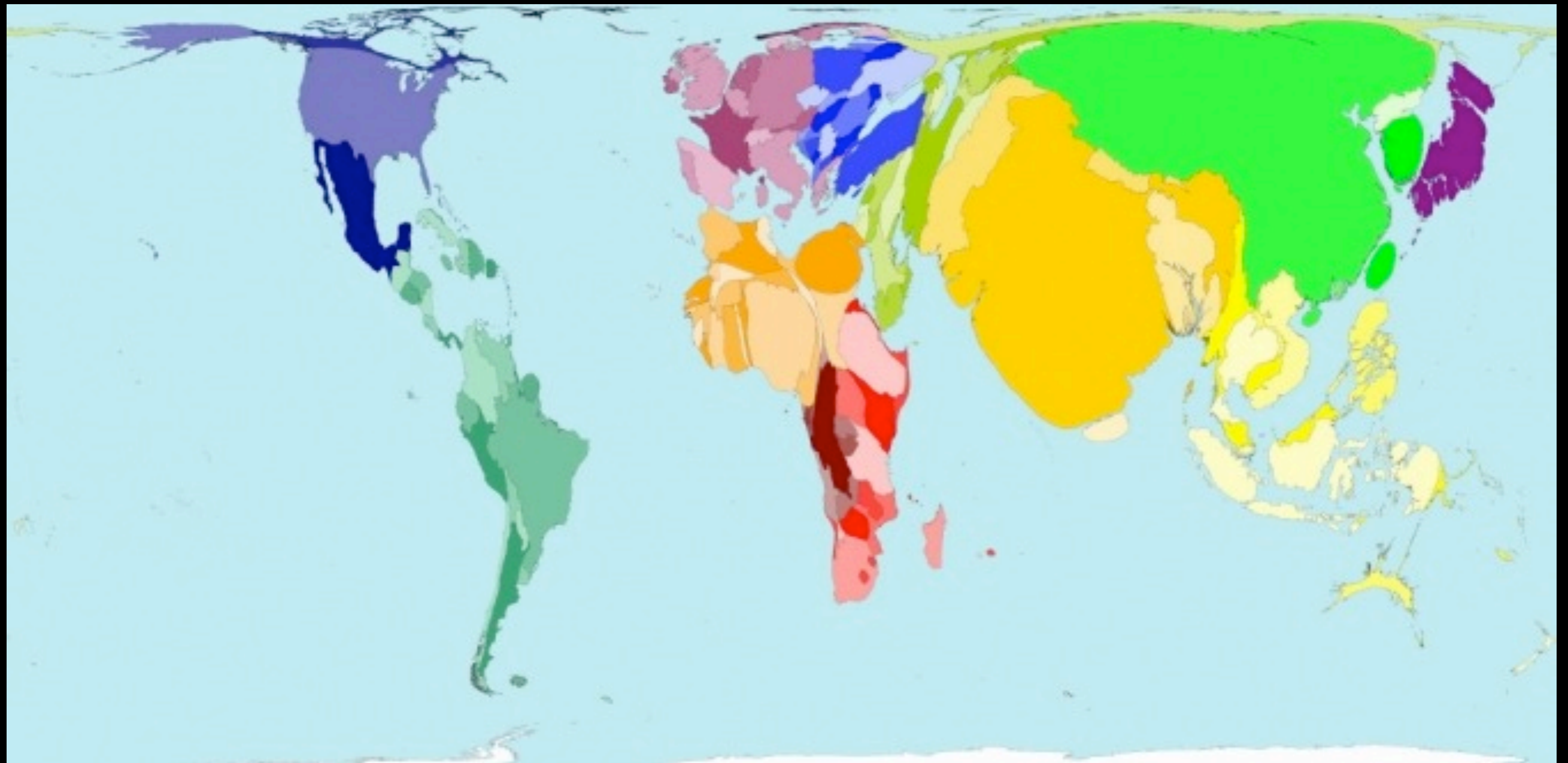


This is an example of a choropleth map: each section is shaded according to a common criteria.

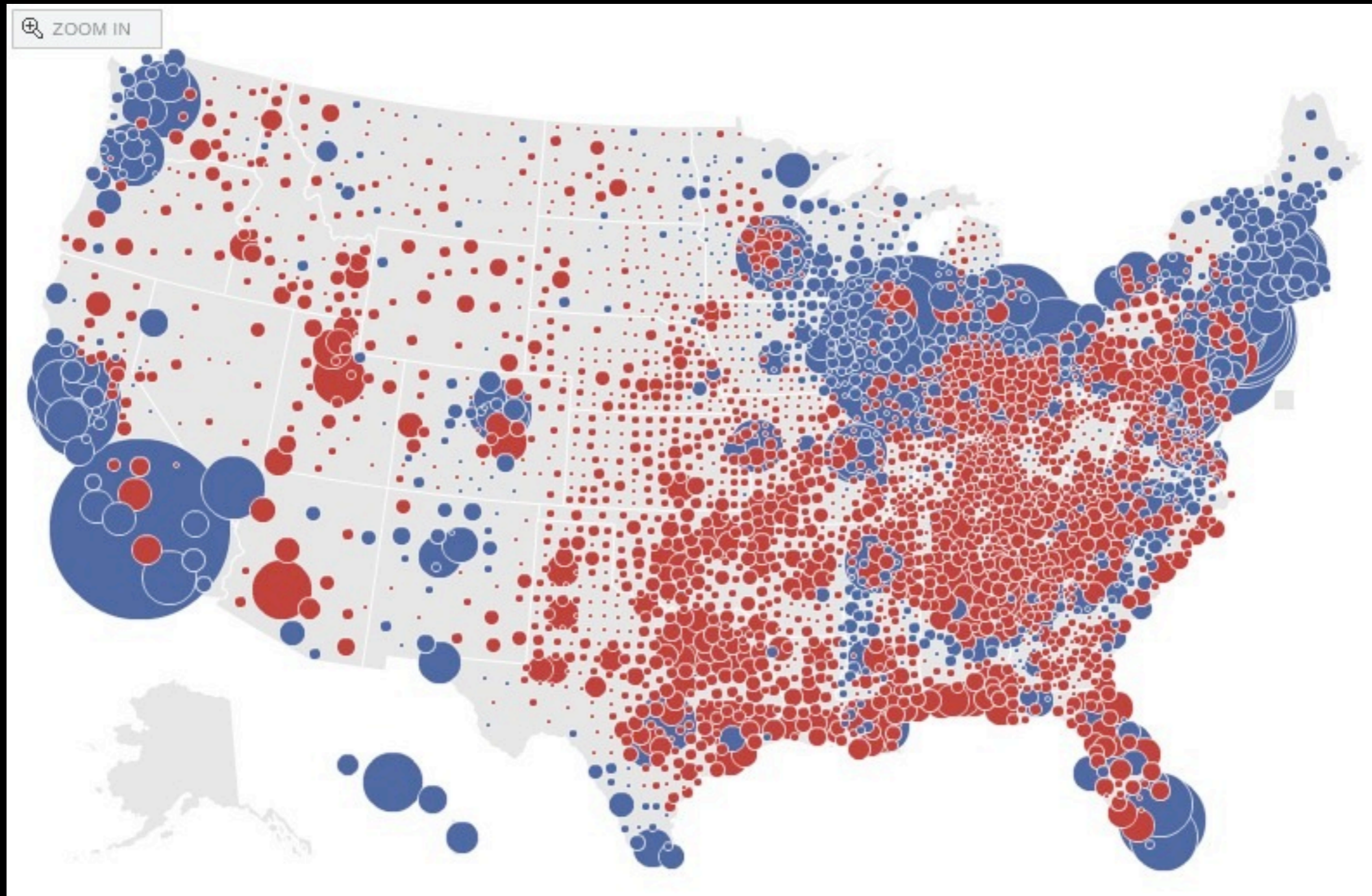
Arithmetic Population Density



Arithmetic Population Density



Arithmetic Population Density



Arithmetic Population Density



Physiological Density

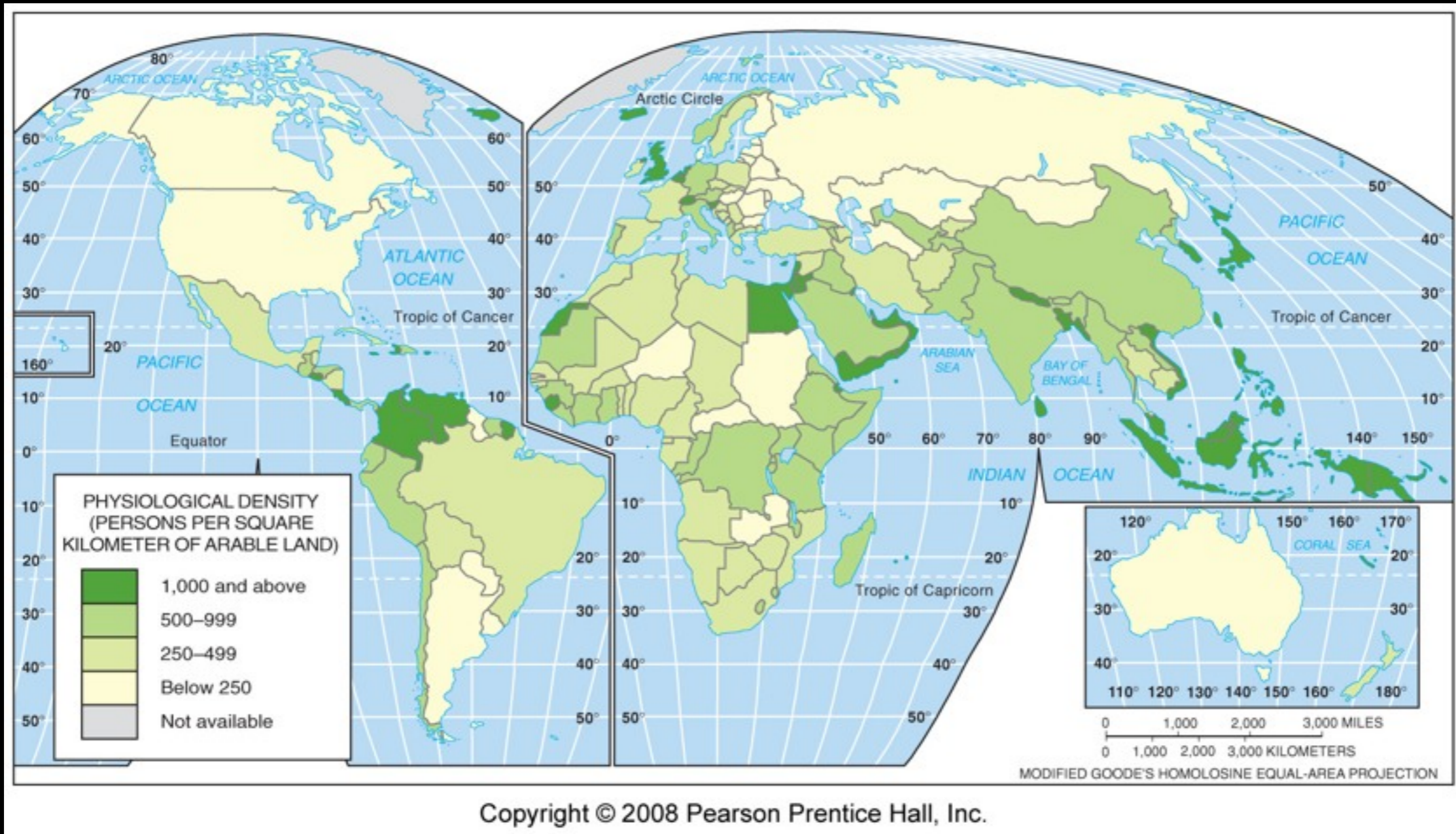


Fig. 2-5: Physiological density is the number of people per arable land area. This is a good measure of the relation between population and agricultural resources in a society.

Agricultural Density

- Agricultural Density: ratio of the number of farmers to the amount of arable land.
- US and Canada have lower agric. densities than India and Bangladesh.
- Why would the US have fewer farmers per acre of arable land? What is different about farming in the US vs. India or a more LDC?

Measures of Population Density

TABLE 2-1 | Measures of Density in Selected Countries, Expressed as Population per Square Kilometer

	ARITHMETIC DENSITY	PHYSIOLOGICAL DENSITY	AGRICULTURAL DENSITY	PERCENT FARMERS	PERCENT ARABLE
Canada	3	71	2	3	9
United States	31	172	2	1	19
Egypt	75	2,580	826	32	2
United Kingdom	247	1,069	16	2	25
Japan	338	2,907	145	5	11
India	350	699	419	60	56
Netherlands	400	1,798	72	4	27
Bangladesh	1,050	1,838	1,158	63	67

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Exit Ticket:

- The most rapid growth in population is occurring in _____
- The most populous country in the world is _____
- A country with a large amount of arable land and a small number of farmers will have a _____ agricultural density.
- 75% of the world's population lives on 5% of the earth's surface. The portion where humans live is called the _____.

Reminders

- Population map due Wednesday.
- Be prepared for a vocab quiz on Key Issues 1 and 2 on Thursday.
- Books every day.

Overpopulation

- ... the most troublesome threat facing the US and the world today is not terrorism or global warming, but overpopulation, especially in the poorest parts of the planet. ~ CIA Director Michael Hayden
- Do you agree or disagree with this statement?

- The director of the US Central Intelligence Agency, Gen. Michael Hayden, when asked to pinpoint which issue was of most pressing concern to him, said that the most troublesome threat facing the US and the world today is not terrorism or global warming, but overpopulation, especially in the poorest parts of the planet.
- The rapid growth of the world's population, according to Hayden, may lead to fueling further instability and extremism, along with exacerbating worsening climate change, and making fuel and food much scarcer. Population, Hayden argues, is considered the prime multiplier for all types of human ills.



CIA Director,
General Michael
Hayden

World Population Movie

- While watching the following clips, answer the questions on the other side of the handout.
- http://www.ined.fr/en/everything_about_population/animations/world_population/

Agree or Disagree

- If you agree move to the front of the room
- If you disagree move to the back of the room
- Take your notes with you, you will be asked why you think that.

Debate Preview

- Over the next week, we will research population growth to inform our opinions on whether or not the world is, or is soon becoming overpopulation, and whether or not this poses a significant threat.