

Chapter 3-Earth's Human Geography

- This chapter will introduce you to Earth's human geography, or the patterns of human activity on Earth.
 - Section 1: Population
 - Section 2: Migration
 - Section 3: Economic Systems
 - Section 4: Political Systems

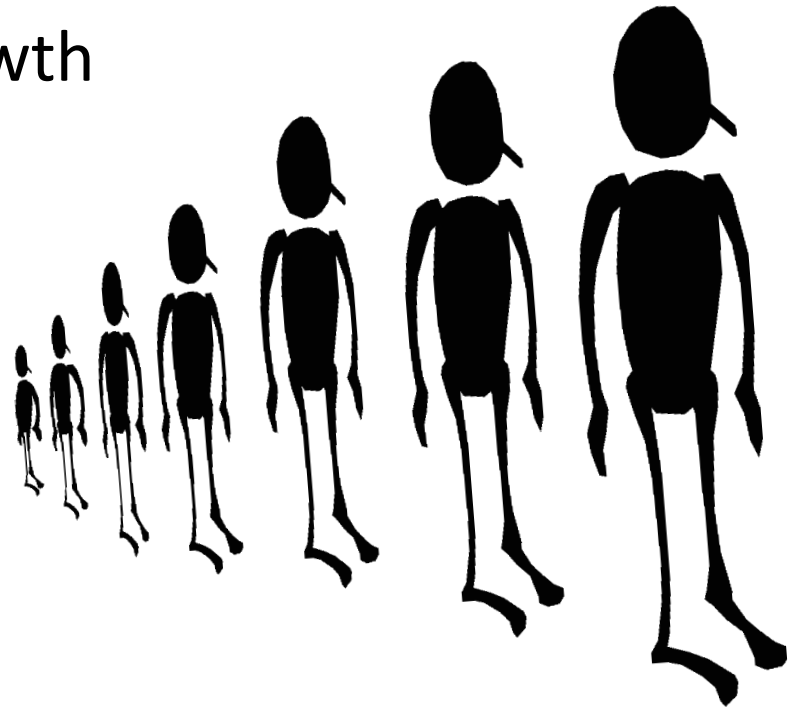


Vocabulary to Know

- **Population**: the total number of people
- **Population distribution**: the way the population is spread out over an area
- **Demography**: the science that tries to explain how populations change and why population distribution is uneven

Section 1: Population

- In this section you will learn:
 - Learn about population distribution
 - Explore population density
 - Investigate population growth



Population & Places

- People do not usually move unless for a good reason, therefore regions with large populations tend to stay that way



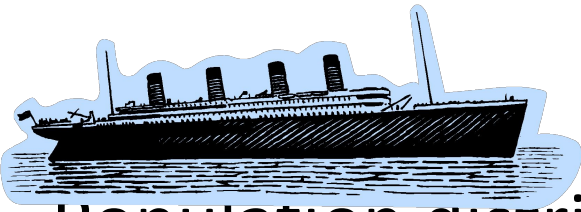
Population & History

- *In the past:*
 - most people lived on farms
 - Grew their own food
 - Therefore, needed climate with:
 - Warm weather
 - Ample amount of water



As a Result:

Regions with good soil & water supplies became crowded



New Population Clusters

Population distribution of people in the world, changed after 1800 due to:

1. *Improved transportation*

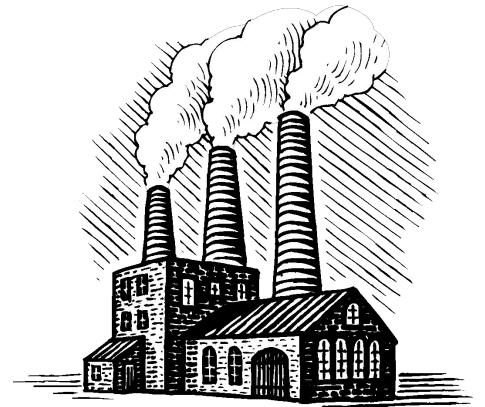
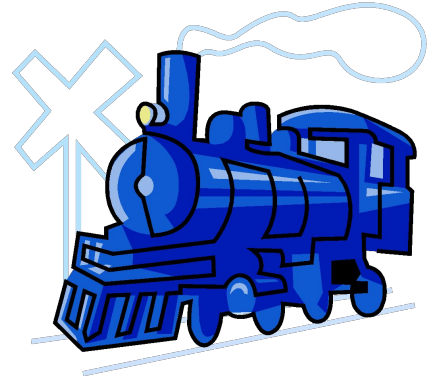
- Railroads & Steamships

2. *New professions*

- Office jobs
- Factories

Result:

- more people moved to cities
- growth in U.S. , Northern Europe & Australia



Urban Population as a Percentage of Total Population

Area	Urban population (%)
Africa	33.9
Asia	28.2
Europe	73.4
Latin America	75.1
North America	74.3
Oceania	71.3

Population Density

- It is the average # of people per square mile or square kilometer

Population Density vs. Population Distribution

-describe where people live

-average amount

-describe where people live

-exact count

Population Growth

- Earth's Population grew slowly for thousands of years

Causes:

Death rate = Birth rate



HISTORY
2002: Global population
as of July 1, 2002 is
more than 6,234,000,000.



HISTORY
1915: World population is
1,500,000,000.



HISTORY
1952: World population is
3,000,000,000.

https://www.google.com/url?q=http://www.youtube.com/watch?v%3D9_9SutNmFk&sa=D&ust=1538662395728000&usg=AFQjCNHFaaY4rkvOHnwnPLhzfqXn8ZcPA

Population Growth(cont)

- Changed after the 1700s:

– Death rate



Birth rate



<http://www.worldometers.info/>

<https://www.worldatlas.com/>

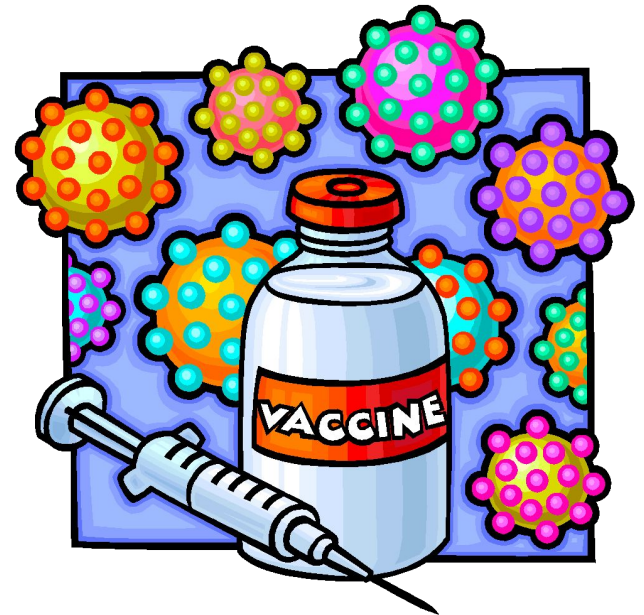
<https://www.npr.org/2011/10/31/141816460/visualizing-how-a-population-grows-to-7-billion>

- 7 billion & growing



Population Growth (cont)

- Causes for rapid growth in population:
 1. Scientific Progress
 1. Clean drinking water
 2. Sanitary waste removal
 3. Vaccines & antibiotics



Population Growth(cont)

- Causes for rapid growth in population:
 1. Improved farming methods
 1. Insecticides
 2. Improved crops that need less water

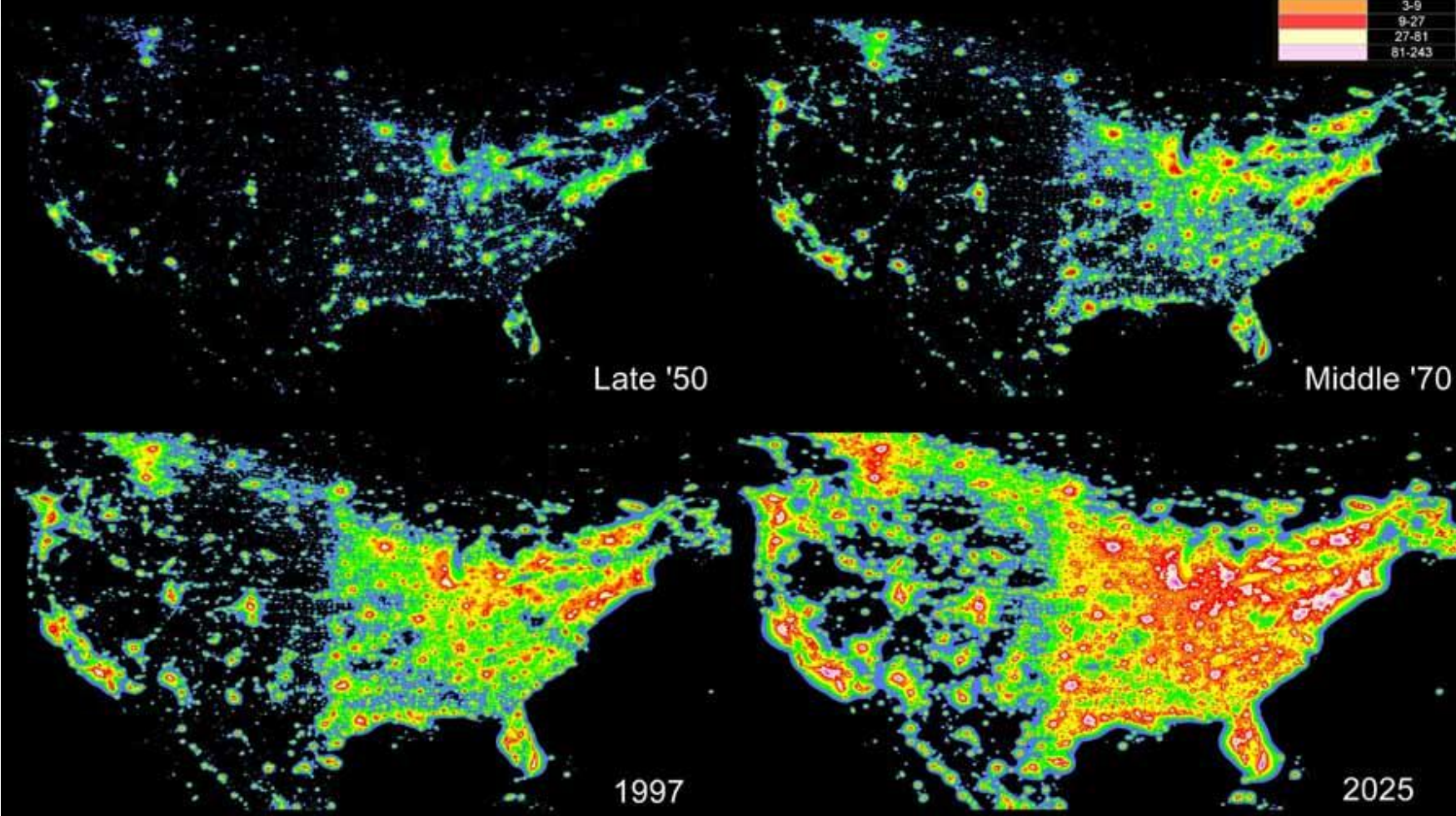
GREEN REVOLUTION

Artificial Night Sky Brightness due to Light Pollution in North America

A preliminary picture of the growth from 1950 to 2025

Artificial night sky brightness at zenith, at sea level, for standard clean atmosphere as fraction of the average natural night sky brightness

<11%
11%-33%
33%-100%
1-3
3-9
9-27
27-81
81-243



Challenges of Overpopulation

- Pollution
- Lack of fresh water
- Population > food supply
- Not enough jobs
- Not enough schools
- Housing scarce
- Deforestation
 - Leads to flooding



The Earth Laughing by Karen I. Shragg

I woke up on this beautiful
Earth Day morning and heard
the Earth laughing
Her lilacs were shaking
Her tulips were full of dew from her tears
Dropped of a nervous laugh
Not a joyful one
A laugh that comes from a place
of disbelief
As her soaring eagles observed
The holes drilled into her oceans
The caverns dug into her mountains
The efforts to squeeze the last drop
Of resources out of her
Gave her reason to laugh
The kind of what-are-you-thinking laugh
And she laughed with a shudder of
mourning dove wings at this peculiar species
This two legged creature so smart in some ways
So naïve in others..
"To have conquered flight
To have reached my moon
To tap into my resources and turn them into
Schools and libraries, to hospitals and universities
Speaks to your cleverness"
she said through a whisper of a cloud
"But to behave as if I can keep up with your inventions
To act as if I have enough fuel to fund your
Never ending wars

To ignore the signs of your damage which
Are melting my icecaps drowning my islands and
Killing my polar bears as you
populate my landscapes far beyond their capacity.
My water cycles' ability to quench your thirst
Is at best naïve and at worst self-destructive
I am exhausted!
Please know I cannot offer what you demand of me
I cannot offer infinite resources that took me
Billions of years to create
I cannot offer you
What you ask of me, by the 9,000 more of you added per
hour
For my resources cannot supply
An endless stream of you and your modern ways
And the more of you that get that in your hearts
As well as your heads
The sooner I will heal and be able to sustain
A saner number of you and my other creatures
which aren't as clever
Or naïve.

FOOD SOLUTIONS TO DEAL WITH **OVERPOPULATION**

<https://www.youtube.com/watch?v=fsntjGF8eV0>

<https://www.youtube.com/watch?v=aICCLnBMJ5U>