

ESSAY 1 Option

❖ From **Chapter 1**, you will discuss the contribution to the field of geography or to our knowledge of the world of a **noted modern-era** geographer, earth/environmental scientist, cartographer, researcher or explorer **born after 1750**.

✓ Focus on the **person's contribution**, not the biography, and don't refer to the person by his/her first name as: "*Christopher discovered America in 1492.*"

➤ Maximum length is 2 pages.

➤ Include a bibliography of at least 2 sources (not counting Wikipedia) on a separate page and footnotes, if appropriate.

❖ **All required essays are due by Friday, April 17, 2020 in hard copy format** (but may be handed in at any time prior to the due date).

• A **lateness penalty** as stated in the syllabus will be assessed starting April 18th.

• Any two topical essays from the 3 topics listed on the syllabus are to be submitted by the due date.

✓ If you do all three, the **third will count as an extra credit assignment!**

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3 Studying Geography

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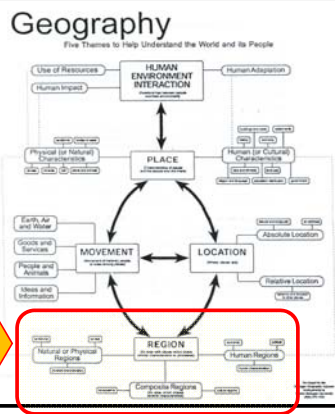
The Five Fundamental Themes of Geography

Source: Michigan Geographic Alliance

Any Questions?

This handout is on the course homepage.

Today we will take a closer look at "region".



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Focus on "Region"

❖ A region is a part of the earth exhibiting similar traits or characteristics.

- ✓ A region can be **natural** or **cultural** or a unique **combination of both**.
- ✓ Helps us to bring order to a diverse planet by dividing the earth up into unique areas.
- ✓ Makes it easier to study and compare these areas by setting them apart from others.

➤ Regions with different characteristics can overlap.

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Region

All regions have five characteristics:

1. **Location:** we can find it on earth.
2. **Spatial Extent:** we can measure it.
3. **Boundaries:** we can set its limits based on selected/observed characteristics.
(However, most boundaries are "fuzzy" and blend into each other.)



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Region

All regions have 5 characteristics:

4. Categorization:

The three categories are:

- a) **formal** (exhibit a uniform appearance)
- b) **functional** (created by interaction or connections)
- c) **vernacular** (mental or perceptual)

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4a: Formal Region

An area that exhibits a uniform appearance or characteristic.

Political regions (counties) of NYS

ALSO, there are:
Economic regions
Landform regions
Ecoregions
Agricultural regions
Cultural regions
Language regions
Urbanized regions

4b: Functional Region

Is created by interaction or connections.

This is a transit region

Also, you can have a
Banking region
Commuting region
Cell phone region
Theater District

4c: Vernacular or Perceptual Region

An area created in one's mind (mental image) or popularized by usage.

The Midwest region is defined (perceived) differently by people.

What's a Bible Belt
Good neighborhood
Rust Belt
Vacation area

How is "Long Island" defined?

Region

All regions have 5 characteristics:

5. Hierarchical Arrangement
 - a) major
 - b) minor

Regions within Regions within Regions within Regions within Regions within Regions within Regions

Hierarchy of Regions

NOTE: There are a number overlapping regions portrayed on this map.

Regions within regions within regions within regions within regions.

The State of Delaware, the Delaware shore and Rehoboth Bay ecological area are **smaller regions** within larger ones.

The Mid-Atlantic, East Coast, and North America are **very large regions** that have a variety of smaller regions within them.

Three large overlapping regions:

- Delaware Peninsula
- Chesapeake Bay
- Delaware Bay

Subfields of Geography

Regional Studies incorporates elements of **physical** and **human geography** (which create unique natural and cultural landscapes).

It uses **geographic techniques** to study them.

This diagram is in the Handout Section of the course homepage.

Geographic Methodologies

Geographers study the earth in a number of ways.

❖ **Opposing views or dualisms:**

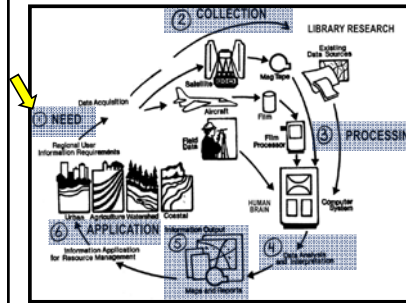
- **Physical** (natural) **vs. Human** (cultural)
- **Topical** (themes) **vs. Regional** (areas)
- **Descriptive** (What's there? Cataloguing, knowledge accumulation) **vs. Analytical** (Why is it there? Hypothesis testing, systematic investigations, spatial analysis)

❖ **Time reference:**

- Past
- Present
- Future

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GEOGRAPHIC RESEARCH



1. Assess the need.
2. Collect information.
3. Process the data.
4. Analyze/interpret the data.
5. Create an output.
6. Apply to a real world situation.
7. **Back to 1:** Re-assess the need (for as many times as needed)



This diagram is in the Handout Section of the course homepage.

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Geographic Methodologies

Geography of the Present

We study **current** conditions, interrelationships and happenings.

It focuses on today.

It goes back in time to set the scene.

It evaluates the present for future interactions.

Geography of the Past

Historical geography looks at and analyzes the conditions that have led to or influenced the **actions of people over time**.

The emphasis is on **developmental processes**. It studies **change**.

Geography of the Future

Uses the knowledge gained from the past and present to **make assumptions** about the future. Regional and urban planning are examples of this.

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Geographic Methodologies

All three methodologies (past, present and future)

- ✓ Are studied from **geographic dualisms point of view**.
- ✓ Use **geographic research methods to gather and analyze data**.
- ✓ Look for and analyze **patterns of spatial distribution, always asking the question, WHY?**
- ✓ Use **cartographic methods** (mapping) and **geographic information software and technology** (gathering/analysis/mapping) to **portray information spatially**.

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SPATIAL DISTRIBUTION

Spatial distribution is the essence of geography.

We need to distinguish between the following:

- ❖ DENSITY
- ❖ CONCENTRATION
- ❖ PATTERN
- ❖ SPATIAL INTERACTION (issues of distance)
- ❖ DIFFUSION (issues of spread)

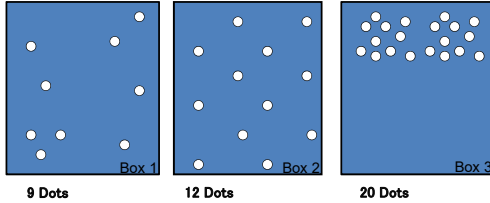
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Spatial Distribution

1. **DENSITY:** the number of times something exists within a given unit (space)
(as people per sq. mi. or seats per 400 sq. ft. classroom)
2. **CONCENTRATION:** grouping of density
(clustered or dispersed; proximity to each other)
3. **PATTERN:** the arrangement of density
(as linear, rectangular, circular, centralized, random)

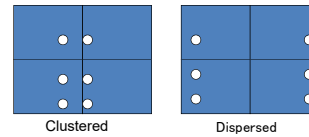
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1. Density: the number of times something exists within a unit



Which box has the greatest density?

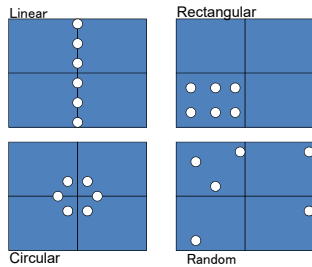
2. Concentration: the grouping



Grouping refers to the proximity to each other.

Each grid has the same density but in different concentrations.

3. Pattern: the arrangement



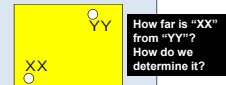
Each grid has the same density.

However, they have different arrangements (patterns) and different concentrations.

4. Spatial Interaction: the movement and contact between parts

a) Distance – How far?

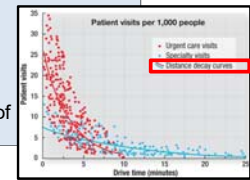
- ✓ Linear distance
- ✓ Time distance
- ✓ Psychological distance



b) Connectivity: linkage; connection of points

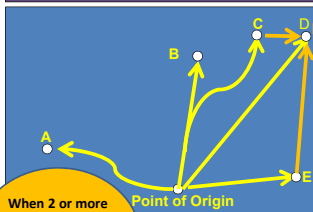
c) Accessibility: ease of movement along links

d) Distance Decay: frequency of contact decreases with distance



Greatest ← Interaction → Least

5. Diffusion: Spread from point of origin



When 2 or more routes can reach a location, a "network" is created.

We ask:

- Why was there movement away from point of origin?
- What route was taken? **and**
- How did that route facilitate movement?
- Are there alternate routes to get to the same location?

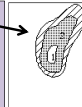
4 TYPES of DIFFUSION

- Expansion diffusion
- Relocation diffusion
- Contagious diffusion
- Hierarchical diffusion

Types of Diffusion

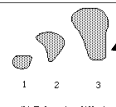
a) EXPANSION

Movement away from point of high concentration; there's an increase in both area and numbers.



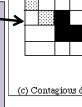
b) RELOCATION

Migration; actual movement away to another location.



c) CONTAGIOUS

Contact and exchange between adjoining areas; person-to-person contact, blending.



d) HIERARCHICAL

Movement between levels – "up the ladder", skipping areas in between (as moving from the small town to big city without stopping at the smaller cities).

