

### Need to know:

Maps & Contemporary Tools: Rubenstein 1.1 & the Appendix; Kuby Ch. 1 (11 Terms)		
<ul style="list-style-type: none"> <li>Projection</li> <li>Distortion</li> <li>Scale [large &amp; small]</li> <li>Cartogram map</li> </ul>	<ul style="list-style-type: none"> <li>Dot map</li> <li>Choropleth map</li> <li>Isoline map</li> <li>Proportional symbol map</li> </ul>	<ul style="list-style-type: none"> <li>Geographic Information System (GIS)</li> <li>Global positioning System (GIS)</li> <li>Remote sensing</li> </ul>

### Should also know:

Maps & Contemporary Tools: Rubenstein 1.1 & the Appendix; Kuby Ch. 1 (6 Terms)		
<ul style="list-style-type: none"> <li>Space</li> <li>Cartography</li> </ul>	<ul style="list-style-type: none"> <li>Mercator projection</li> <li>Robinson projection</li> </ul>	<ul style="list-style-type: none"> <li>Dymaxion projection</li> <li>Aggregation</li> </ul>

### Need to know:

Geographic Uniqueness: Rubenstein 1.2 & Kuby Ch. 2 (15 Terms)		
<ul style="list-style-type: none"> <li>Absolute location (mathematical)</li> <li>Site (Physical attributes or natural landscape)</li> <li>Relative location (Situation)</li> <li>Toponyms (place names)</li> <li>Cultural landscape</li> </ul>	<ul style="list-style-type: none"> <li>Latitude (parallel)</li> <li>Longitude (meridian)</li> <li>Time zones</li> <li>Land Ordinance of 1785</li> <li>Environmental determinism</li> <li>Possibilism</li> </ul>	<ul style="list-style-type: none"> <li>Carl Saur</li> <li>Carl Ritter</li> <li>Formal region (uniform)</li> <li>Functional region (nodal)</li> <li>Perceptual region (vernacular)</li> </ul>

### Should also know:

Geographic Uniqueness: Rubenstein 1.2 & Kuby Ch. 2 (3 Terms)		
<ul style="list-style-type: none"> <li>Prime meridian</li> </ul>	<ul style="list-style-type: none"> <li>International Date Line</li> </ul>	<ul style="list-style-type: none"> <li>Built landscape</li> </ul>

### Need to know:

Geographic Similarity: Rubenstein 1.3 & Kuby Ch. 3 (13 Terms)		
<ul style="list-style-type: none"> <li>Arithmetic density</li> <li>Physiological density</li> <li>Agricultural density</li> <li>Concentration (dispersed/scattered or clustered/agglomerated)</li> </ul>	<ul style="list-style-type: none"> <li>Pattern (linear, centralized, random, etc.)</li> <li>Hearth</li> <li>Relocation diffusion</li> <li>Expansion diffusion</li> <li>Hierarchical diffusion</li> </ul>	<ul style="list-style-type: none"> <li>Contagious diffusion</li> <li>Stimulus diffusion</li> <li>Distance decay (friction of distance)</li> <li>Time-space compression</li> </ul>

### Should also know:

Geographic Similarity: Rubenstein 1.3 & Kuby Ch. 3 (3 Terms)		
<ul style="list-style-type: none"> <li>Distribution</li> </ul>	<ul style="list-style-type: none"> <li>Absolute distance</li> </ul>	<ul style="list-style-type: none"> <li>Relative distance</li> </ul>

## Be able to

- use map scale and the metric system to explain the relationship between distance on a map to distance on the ground.
- explain the various distortions that occur when geographers make projections (5).
- identify the following projections visually and explain their strengths and weaknesses.
  - ✓ Mercator projection
  - ✓ Dymaxion projection
  - ✓ Robinson projection
  - ✓ Mollweide projection
- explain how these contemporary geographic tools are relevant to everyday life and decision making:
  - ✓ GIS
  - ✓ GPS
  - ✓ Remote sensing
- identify visually the various thematic maps and explain how they are used to highlight particular features.
  - ✓ Isoline maps
  - ✓ Choropleth maps
  - ✓ Proportional symbol
  - ✓ Dot maps
- identify the various ways geographers differentiate places on earth in terms of location and physical characteristics.
- identify and explain the two competing theories on human-environment interaction.
- explain why places are similar to each other in terms of scale, space & connections.
- identify and explain the ways geographers describe the arrangement of a feature in space (distribution).
  - ✓ Density
  - ✓ Concentration
  - ✓ Pattern

## Reading Assignments

- Rubenstein, Chapter 1 (optional)
- Kuby, Chapters 1-3