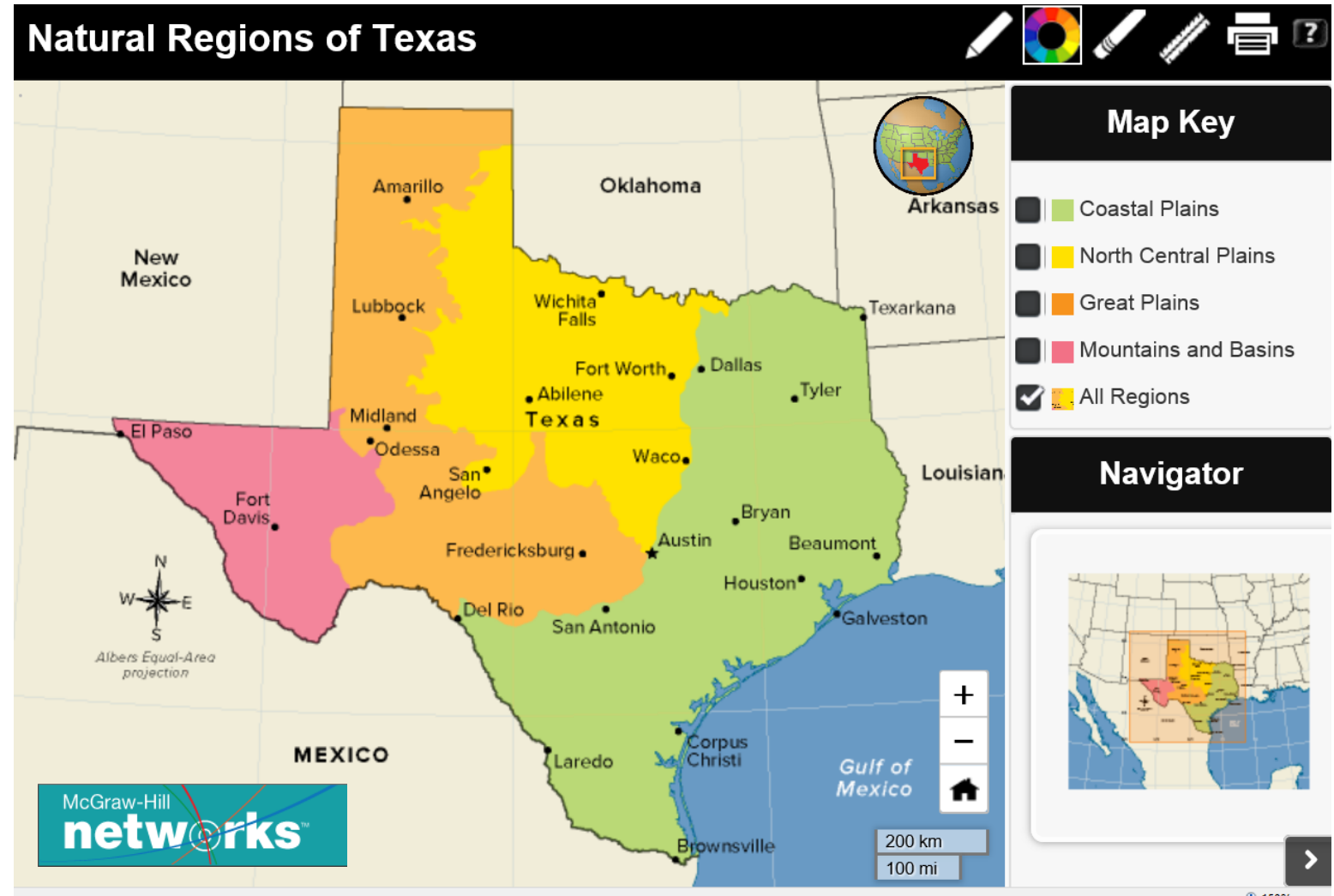


Warm up: (8 min)  
Use the Map, On the Prom  
(Color) Paper (Blk/White)  
and answer the questions  
on your paper





# TX History:

Mapping and Geography of Texas:

We will discuss some slides and write notes on others

## Objectives:

- I will be able to review my understanding of mapping and geography skills.
- I will be able to take what I know about the geography of Texas and map out the major cities, aquifers, plateaus, rivers, mountains, islands and border states/ivers.



## Vocabulary Term Review

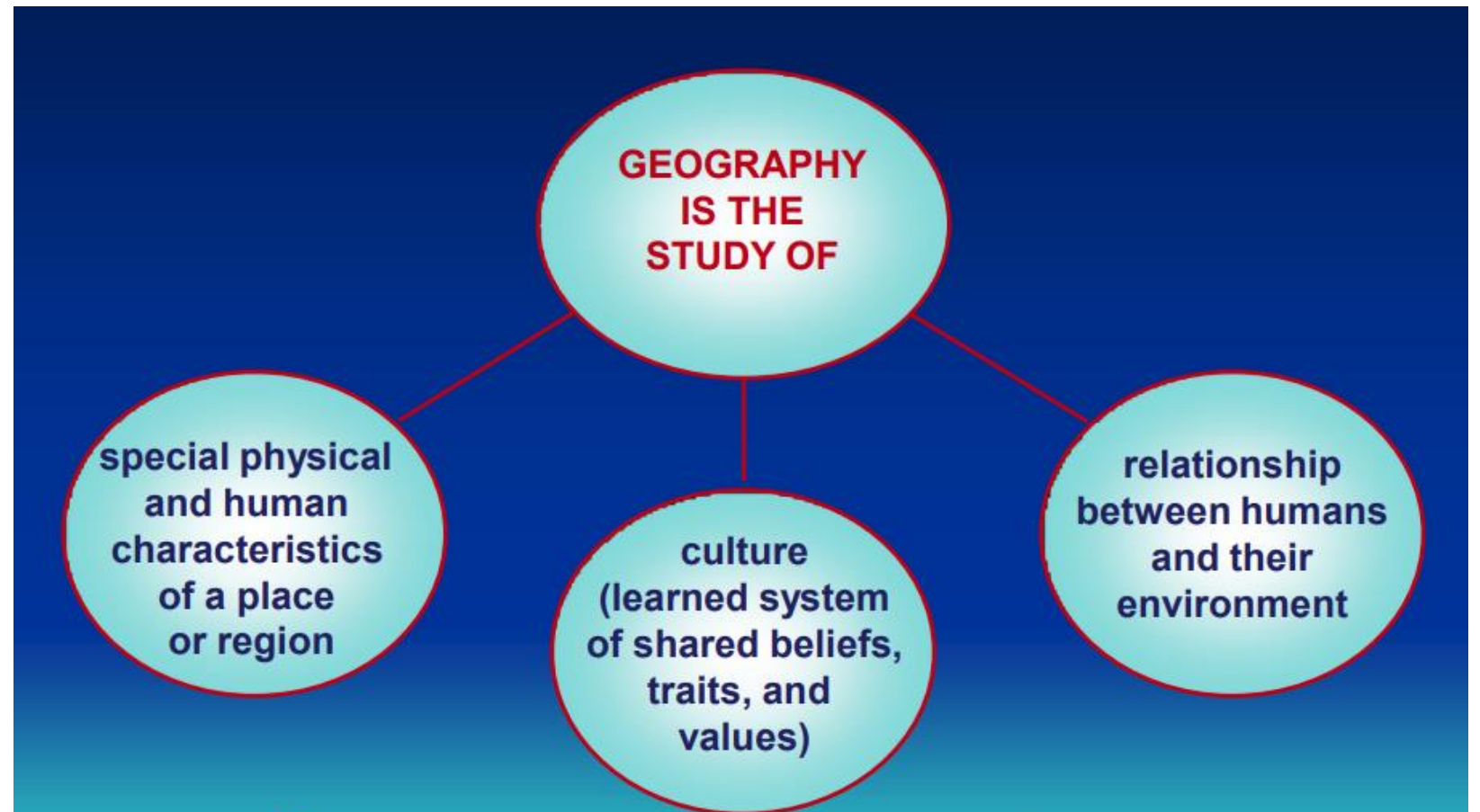
\*geography \*compass rose \*culture  
\*longitude \*ecosystem \*latitude

1. Learned system of shared beliefs, traits & values
2. Study of the special physical & human characteristics of a place or region
3. Imaginary lines that run East and West on a globe or map
4. All of an area's plants and animals together with the non-living parts of their environment
5. Part of a map that points N\*E\*S\*W on a map
6. Imaginary lines that run North and South on a globe or map



To understand  
Texas you  
must first learn  
about its  
Geography

- Geography- The study of the world, its people, and the interaction between them.





## 6 Elements of Geography

1. The world in Spatial Terms
2. Places and Regions
3. Physical Systems
4. Human Systems
5. Environment and Society
6. The uses of Geography



# The World in Spatial Terms

- The first element of geography is understanding the world in spatial terms.
  - Spatial - of or relating to space.
- Texas is **BIG!!!!** Very big. It is the Second Largest state in the United States. Second only to Alaska



# Sizing Up Texas

- **Second largest US State**
- **The area of Texas is 267,277 square miles**
- **Some parts of Texas are closer to the capitals of other states than to Austin.**



Texas is the  
combined  
size of...

\*New York      \*Ohio  
\*Connecticut \*Massachusetts  
\*New Hampshire \*Maine  
\*Pennsylvania \*Illinois  
\*Rhode Island \*Vermont  
\*New Jersey



# Sizing Up Texas

- El Paso, Texas is closer to the Pacific Ocean than to Houston.
- Some students in Texas live 4 hrs from the nearest school
- How could these geographic facts affect Texas?



# Places & Regions

- A place has physical and human characteristics that make it special.
- A region is an area with common characteristics that make it different from surrounding areas



# Types of Regions

- Formal- one or more shared characteristics
- Functional- different places that function together as a unit
- Perceptual- defined by people's shared attitudes, culture & feelings about the area



# Place... What is it like?

Place refers to the physical & human characteristics of a location

- Physical Characteristics Include:
  - Landforms, Climate, Plants & Animals
- Human Characteristics Include:
  - Language, Religion, Architecture, Music, Politics; ways of life



# Physical & Human Systems

Geographers study interactions among four physical systems

1. Atmosphere
2. Land
3. Water
4. Life



# Physical & Human Systems

Human systems, or how humans interact with one another & the environment.

- What are some Human Systems?
  - Population Distribution
  - Population Growth
  - Population Movement
  - Cultural Groups
  - Communication
  - Trade
  - Transportation



# Human-Environment Interaction

How do humans react to their environment and how does it affect them?

- **Ex: Pollution**

**Deforestation**

**Hurricanes/Tornadoes**

**Farming**

**Damming Rivers to make lakes**





Fort Tebbel industry, South Wales December 1911. Very heavy pollution here falls on nearby residential areas leading to increased illness levels. Particularly dangerous are chimneys for long distances downwind and also, in some cases, the chimneys themselves. The chimneys are built of brick and are very old. The chimneys are built of brick and are very old. The chimneys are built of brick and are very old.





# Human Systems

- Movement- How people move through environment
- Cultural Diffusion- new ideas brought by migrating people become widely accepted
- People bring ideas and goods with them when they move from one place to another



# Location ...Where is it?

- Absolute Location- the exact location of a place on the Earth's surface
- Relative Location- the location of a place in relation to other places

The Absolute & Relative location of Texas affects it in many ways—How has Texas' relative location to Mexico affected it?







# Regions

How does it compare to other places?

- Geographers divide areas into regions in order to better study them.
- Regions are places that are united based on common characteristics
- Regions can be based on physical, human, business & other characteristics



# Physical Characteristics









# Human Characteristics









How many  
rivers serve  
as  
boundary  
lines for  
TX? What  
are there  
names?





# Environment and Society

- One of the most important topics in geography is how people interact with the environment.
  - Positive vs Negative affects
- The environment affects humans as well.
  - Physical features influence where people live.
  - Natural resources important to human survival
    - Air, water, land



# The Uses of Geography

- Geography helps people understand the present as well as the past
  - Ex. Increased population in Texas has caused challenges for human interaction with the environment.

What are other ways Geography helps understand present and past?



# Using Maps...

- Maps are important tools for geographers & historians
- Maps, allow information to be organized visually
- Maps can be used to locate places:
  - Absolute Location
  - Relative Location



# Using Maps...

Main Parts of a Map:

- \*Title \*Scale \*Legend

- \*Compass Rose

Maps are created by Geographers for different purposes...

What are the uses of the different types of maps?



## **REFERENCE MAP: POLITICAL**

used to show locations of such features as countries, states, cities, towns, capitals, borders, and roads

## **REFERENCE MAP: PHYSICAL**

used to show and find locations of such natural features such as terrain, rivers, and other bodies of water

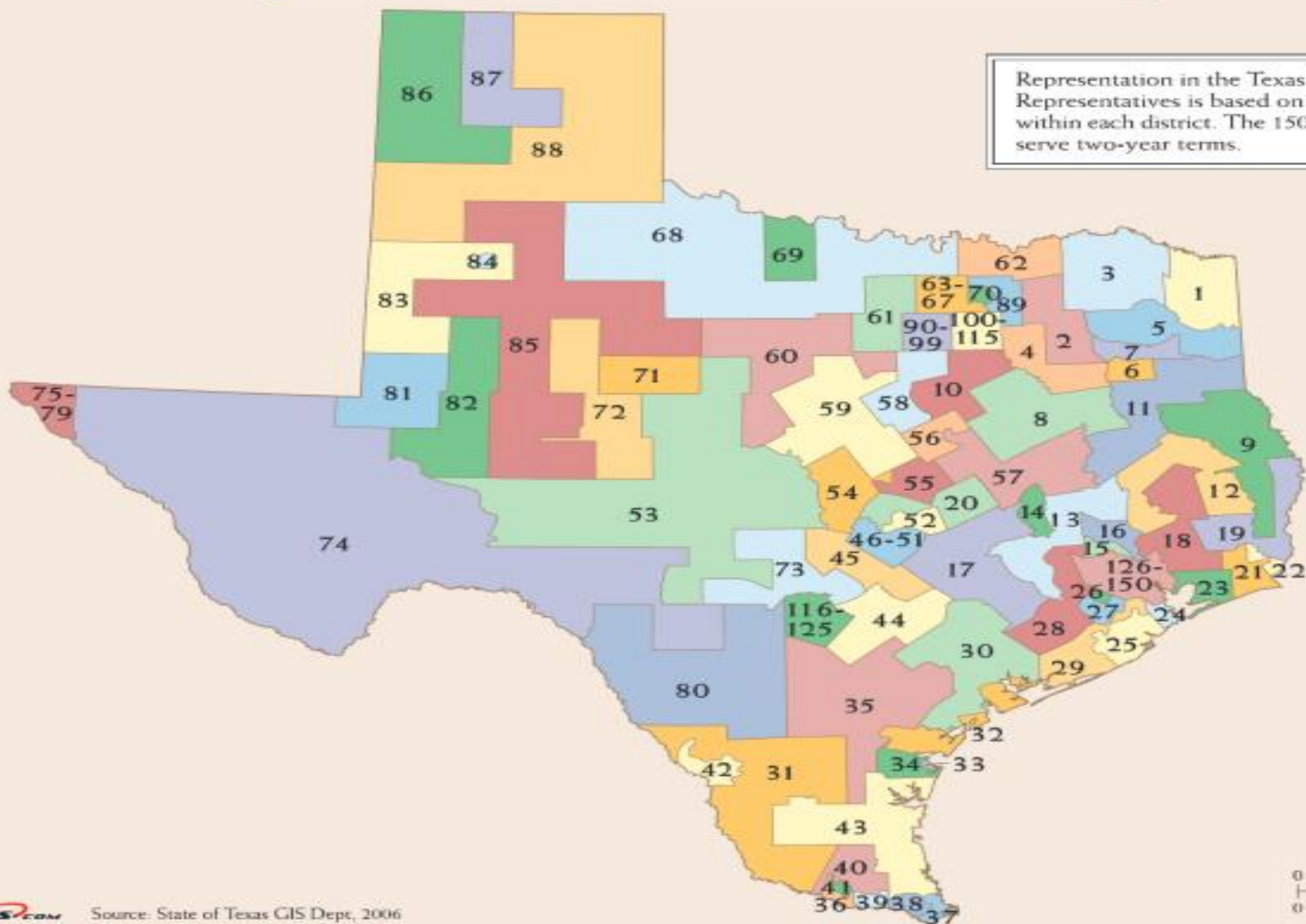
## **THEMATIC MAP:**

used to show a specific topic, theme, or spatial distribution of an activity, such as cattle ranching or climate patterns



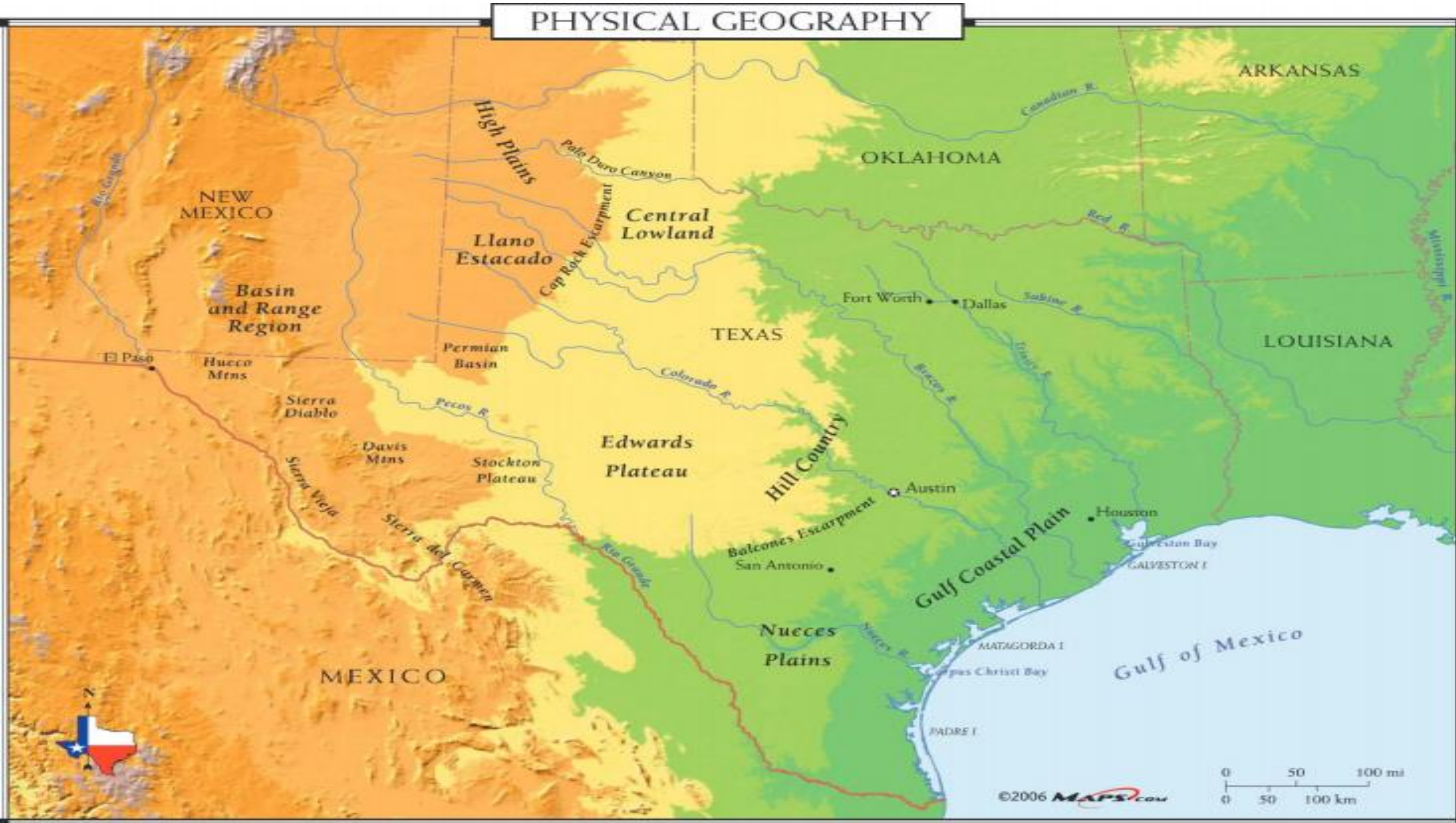
# STATE REPRESENTATIVE DISTRICTS

Representation in the Texas State House of Representatives is based on the population within each district. The 150 representatives serve two-year terms.





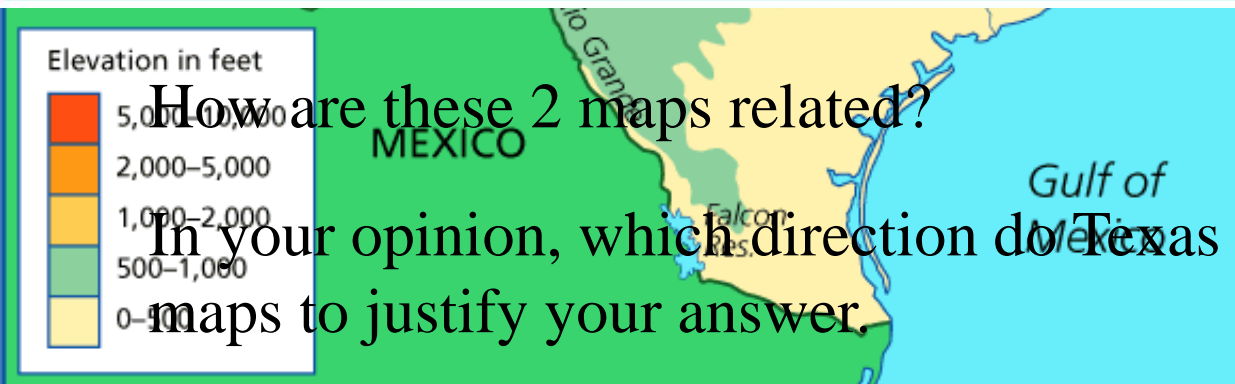
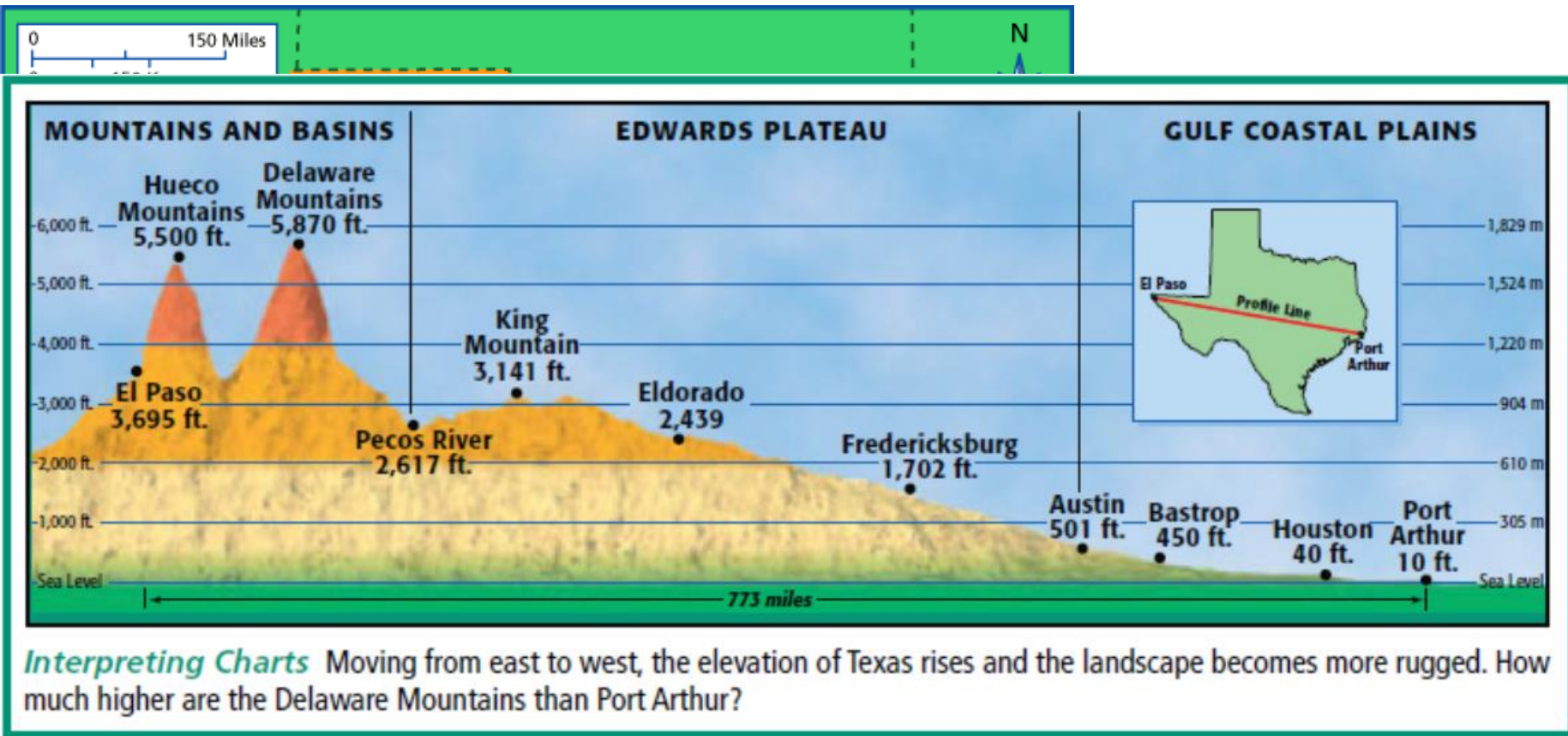
# PHYSICAL GEOGRAPHY







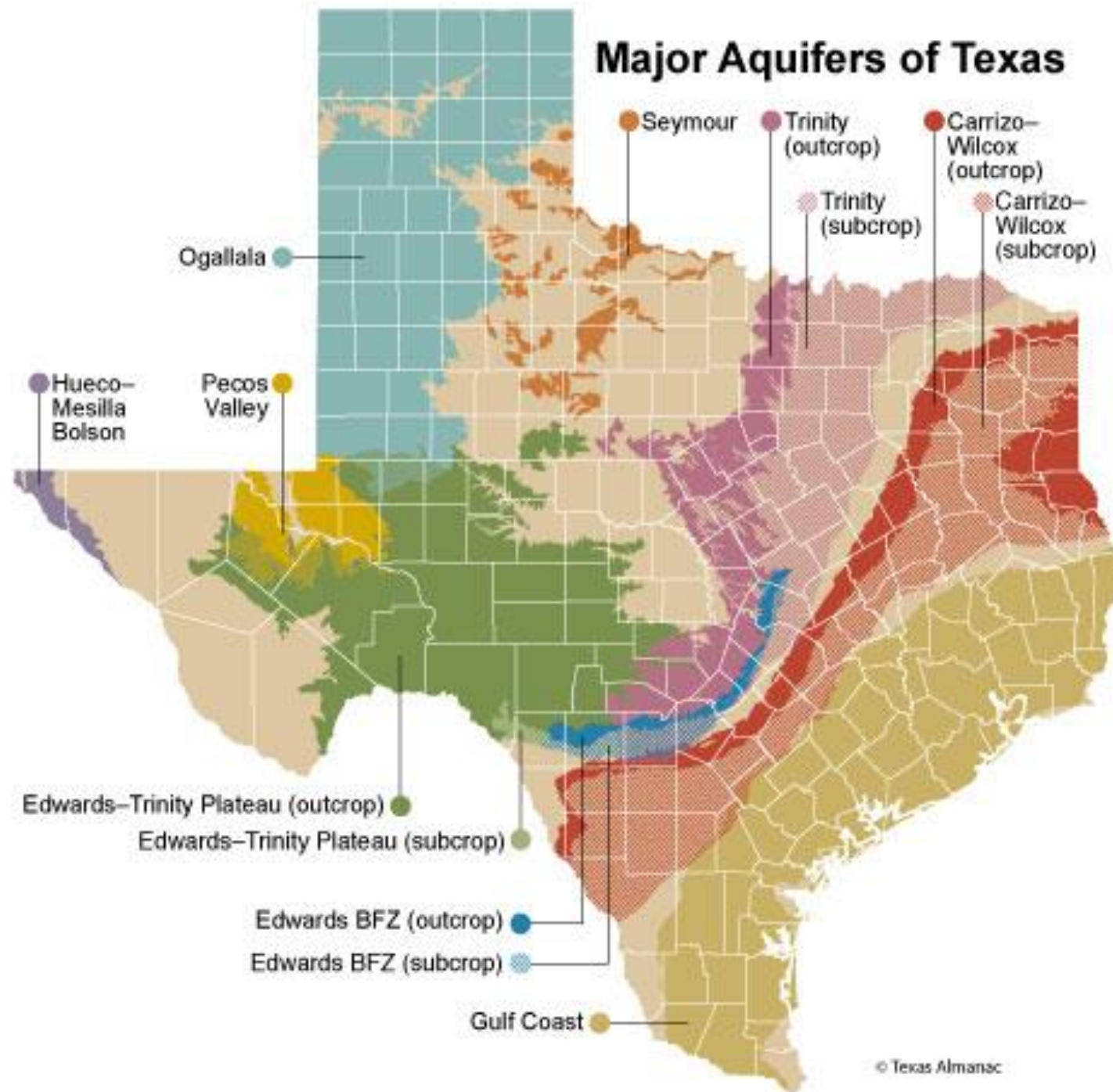




How are these 2 maps related?

In your opinion, which direction do Texas rivers run? Use the maps to justify your answer.





Read p. 23  
in your  
textbook  
about Texas  
lakes and  
aquifers.



## Average Annual Temperature

 Above 75° F

 70° F - 75° F

 65° F - 70° F

 60° F - 65° F

 55° F - 60° F


 50° F - 55° F

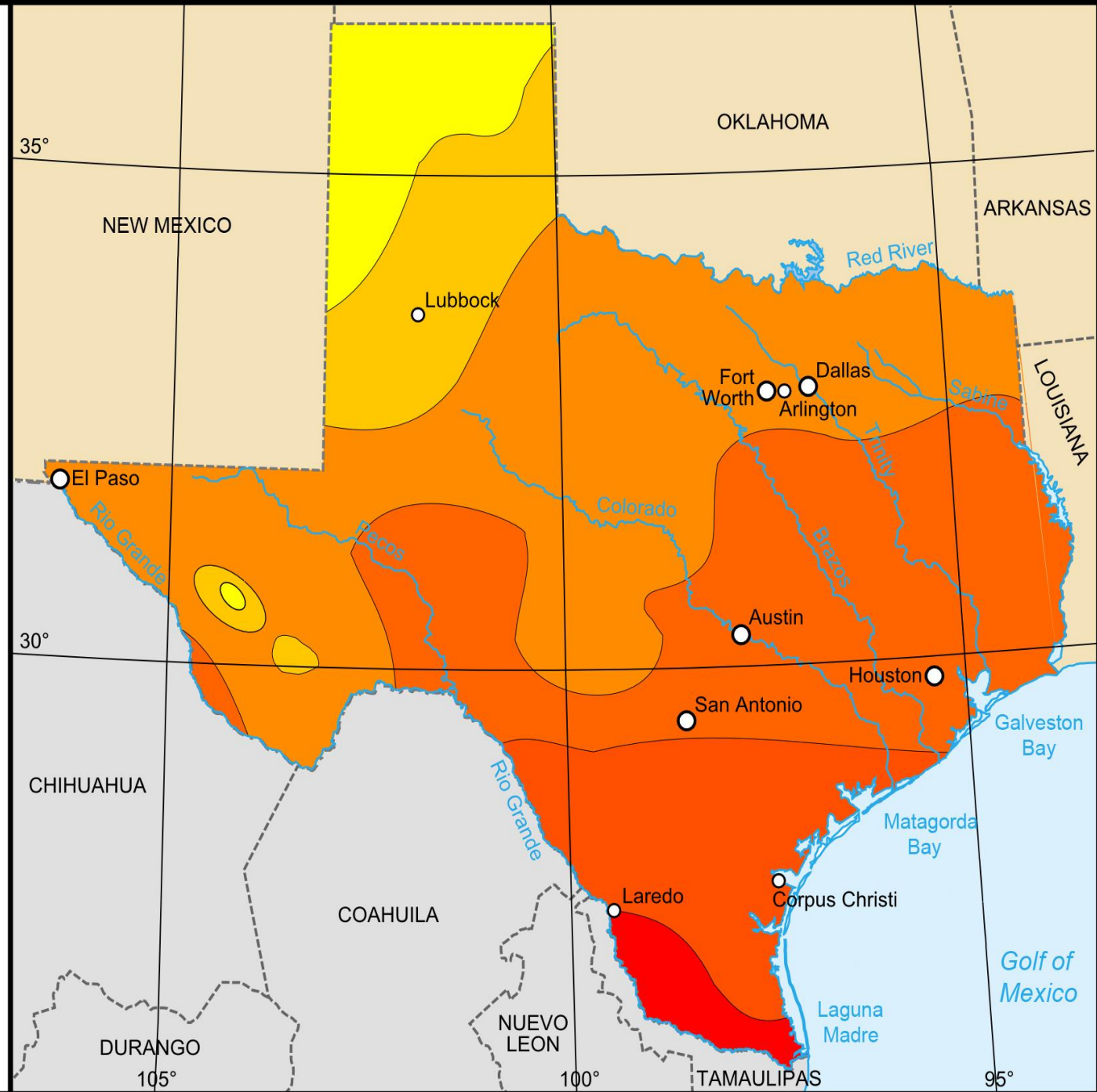
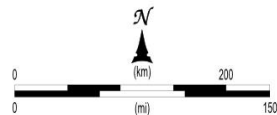
 United States

 Mexico

10 Most Populated Cities

 500,000

 250,000 - 500,000





# Zones of Annual Average Precipitation

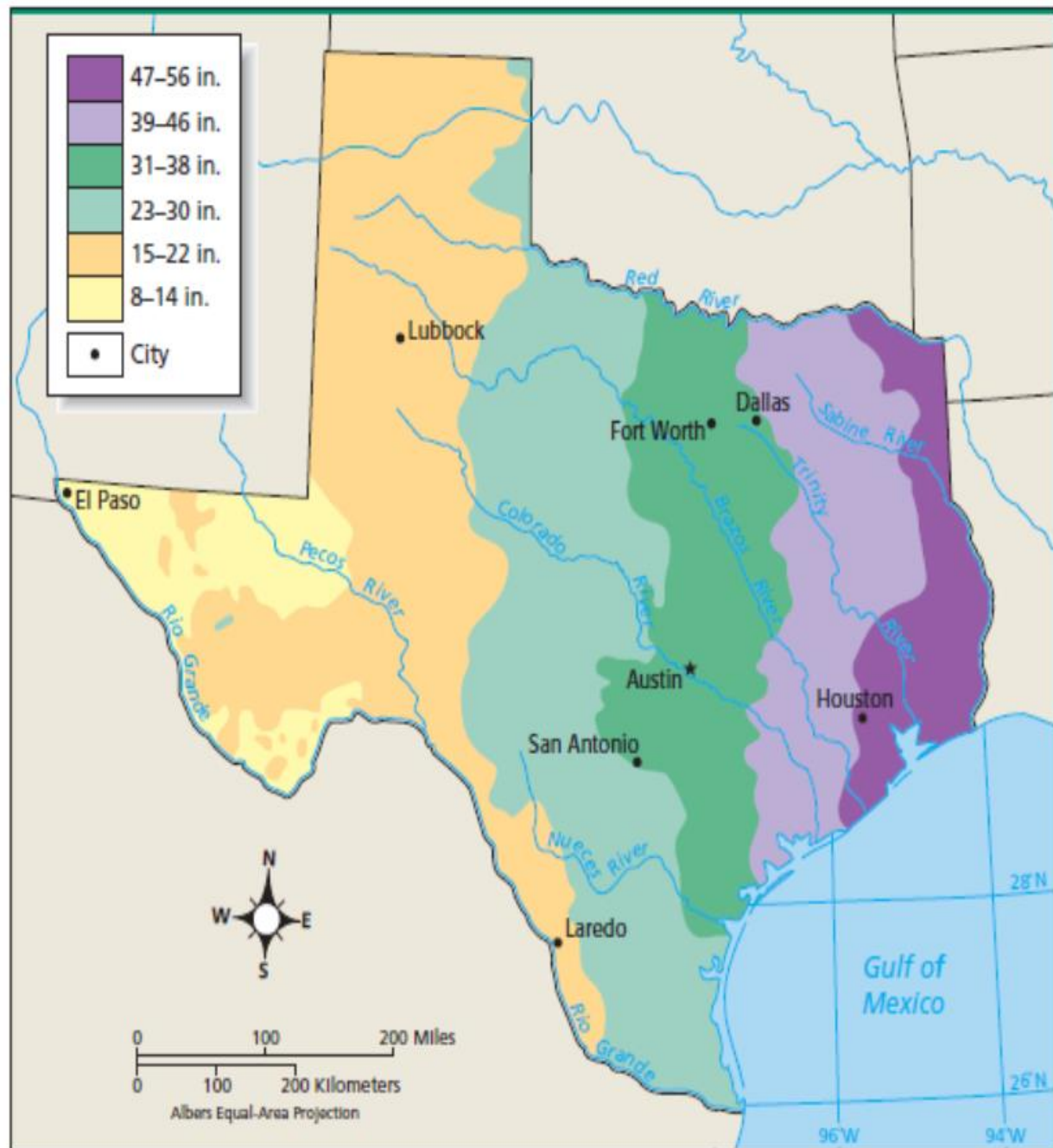
*Interpreting Maps* As you move from east to west, Texas receives less and less rainfall.

## 1. Places and Regions

Which region of Texas receives the most precipitation?

## 2. Analyzing Information

How much rain does the westernmost region receive?





# Using Latitude and Longitude

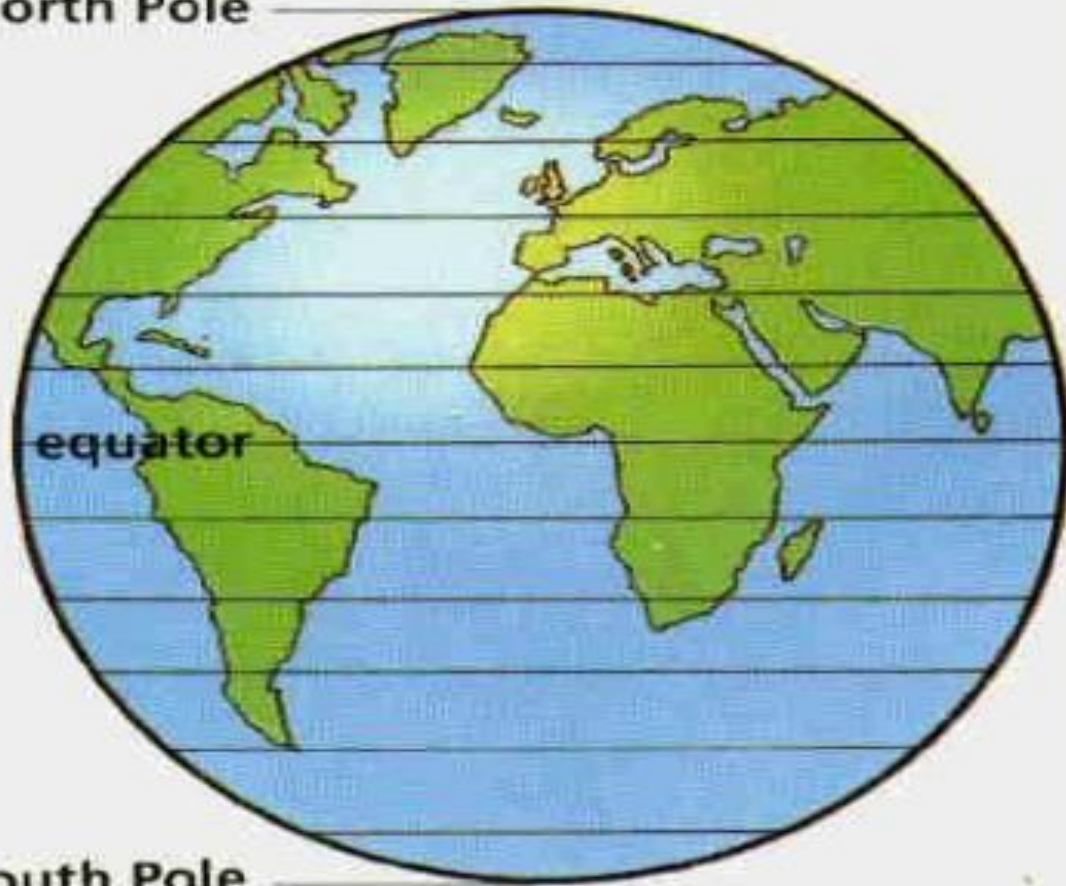
- The Absolute Location of a place is given using latitude and longitude coordinates
- Coordinates are written using a numerical measurement and a directional label.
- Latitude is given first followed by longitude
- (29° N, 95° W) is the approximate location of Kingwood on the earth's surface



# Latitude and Longitude

## Latitude

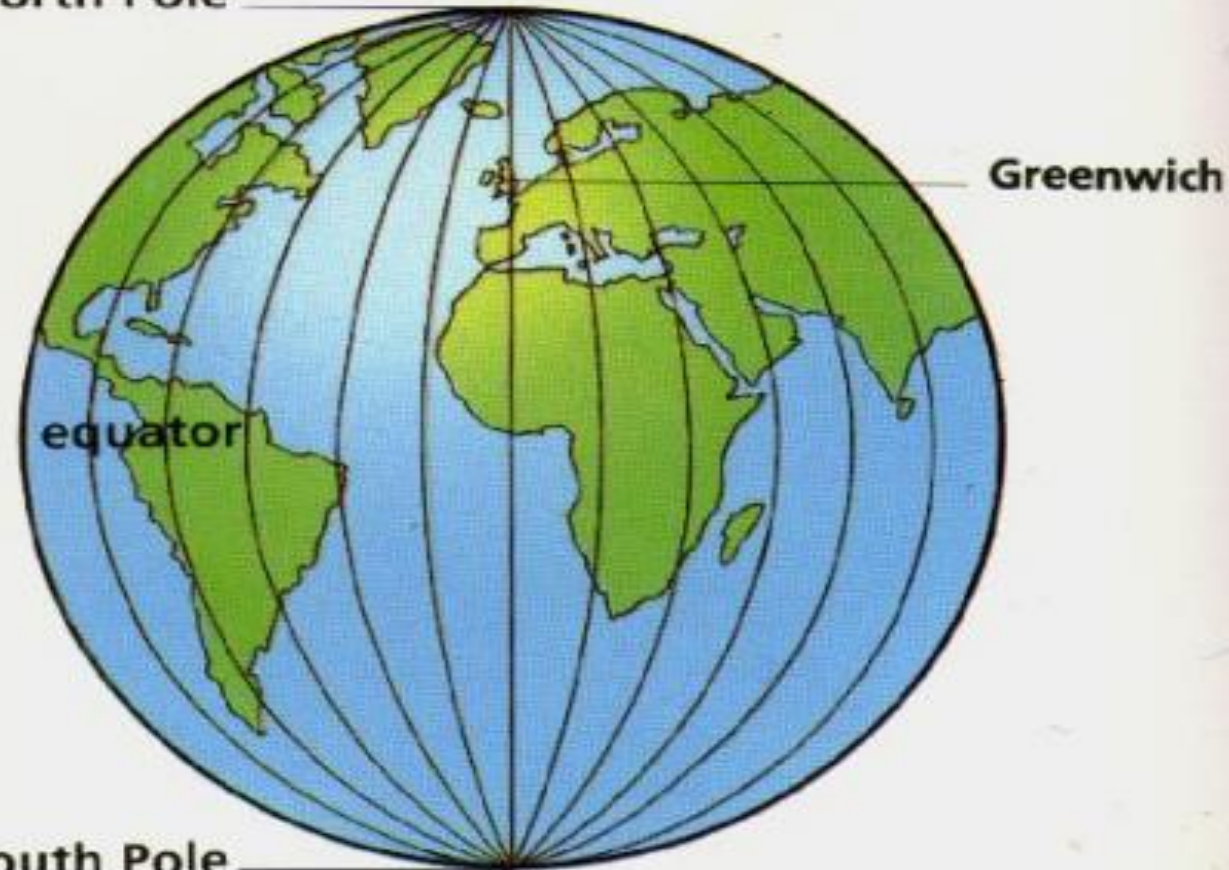
North Pole



South Pole

## Longitude

North Pole



South Pole



# Why Geography?

- Geography prepares us for modern life
- People, businesses, governments depend on geography everyday to meet their needs
- Computer software such as GIS and GPS use geography to help people

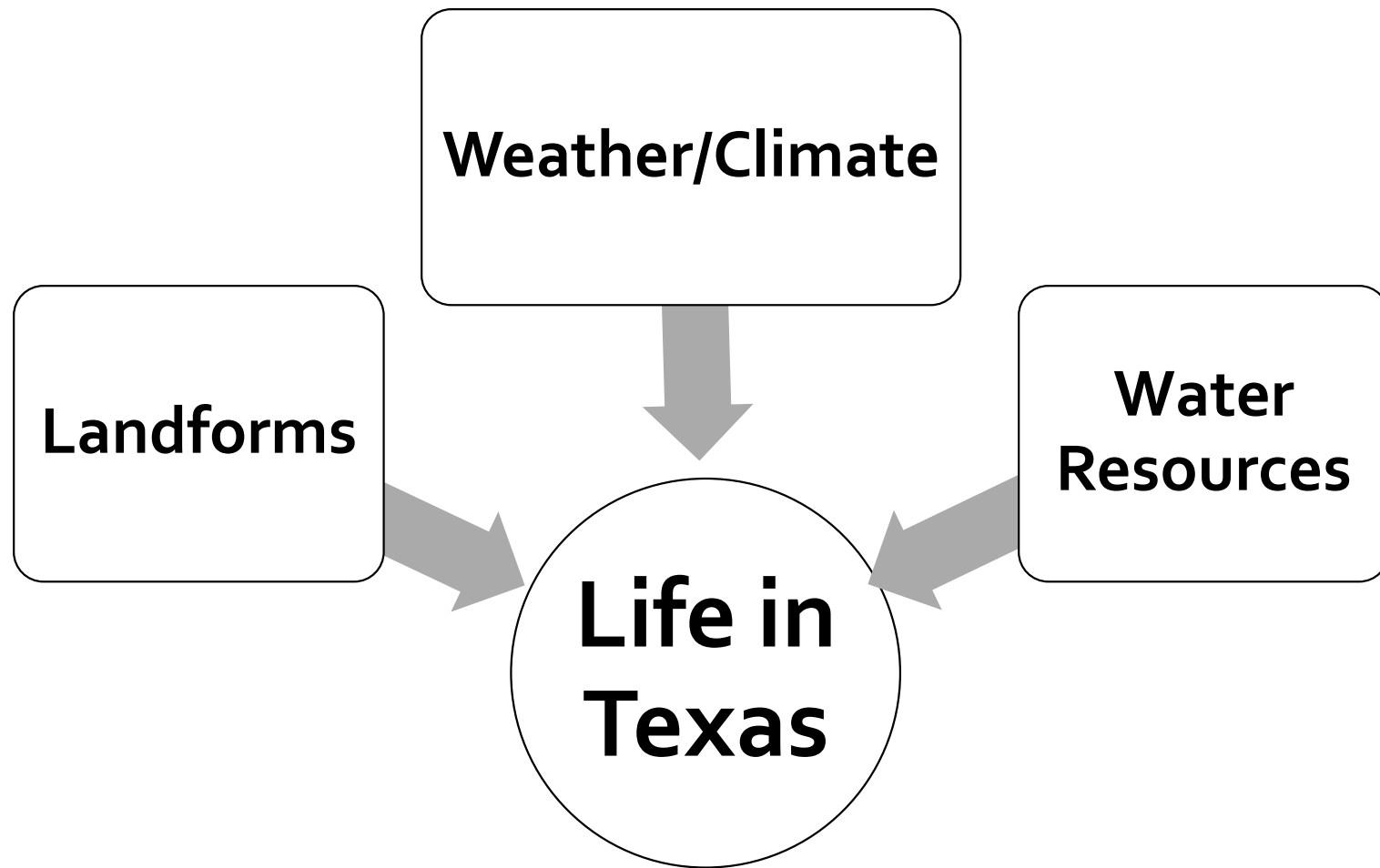


# Mapping Texas

With a partner:

1. Combine your knowledge from today, what you've learned in the past and as a LAST RESORT...the internet to correctly plot and label your maps of Texas
2. Color the map using Map (colored) Pencils  
\*remember the maps that we discussed and viewed in class...what colors show landforms such as mountains and plateaus, what color would best be used for rivers, what color to represent an Island, what color to show the various surface types of Texas from the Desert, Plains, Forests, Hills etc.





**Think About It—then—Write About It:**  
Explain how landforms, water resources, and  
weather/climate can affect life in Texas.