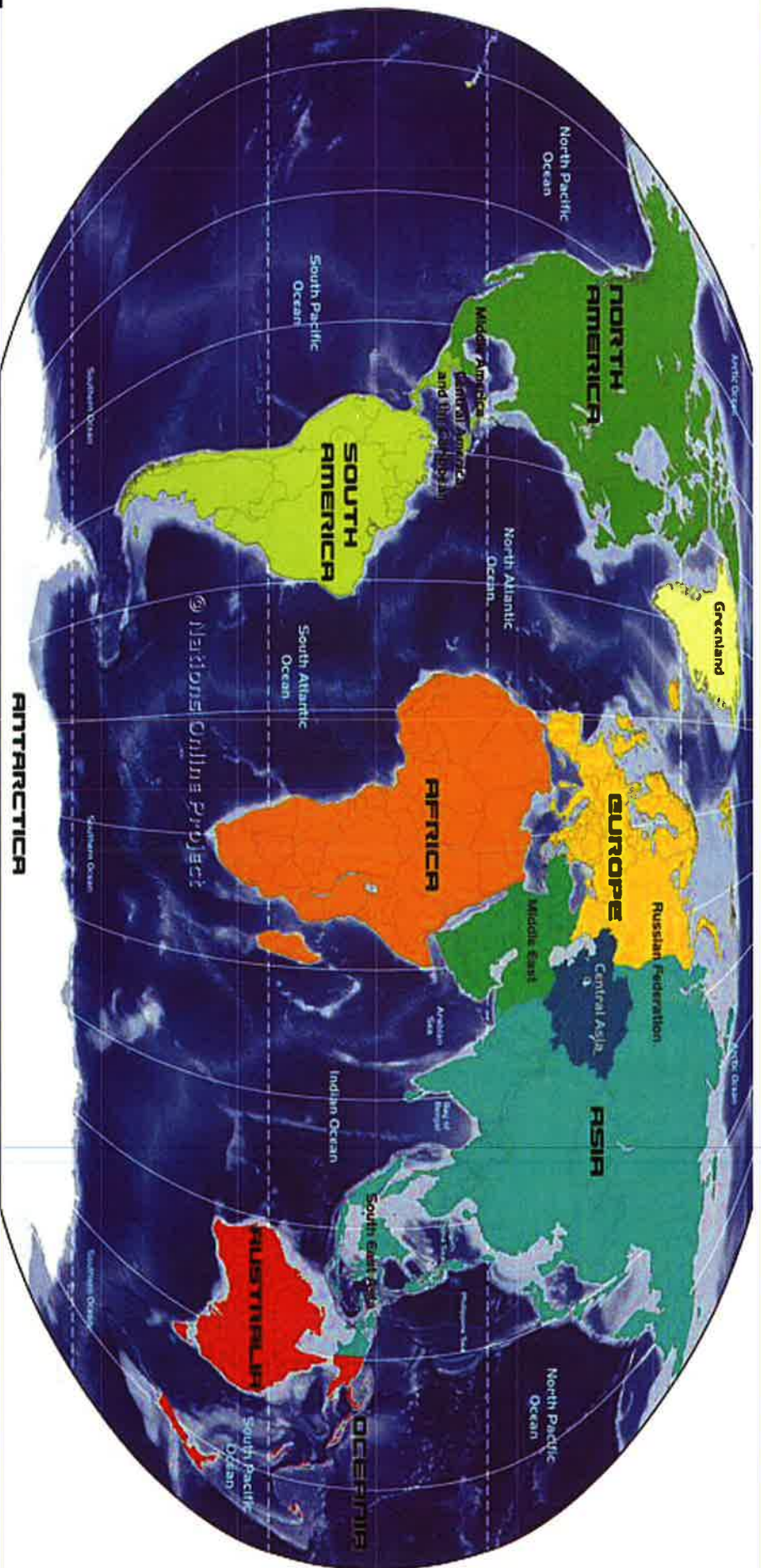


Maps and Globes



By Kennedy's Korner

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Words to Know

compass rose- A circle showing the principal directions printed on a map or chart.

Continent- Any of the world's main continuous expanses of land (Africa, Antarctica,

Asia, Australia, Europe, North America, South America).

equator - An imaginary line drawn around the earth equally distant from both poles, dividing the earth into northern and southern hemispheres

globe - a spherical representation of earth.

hemisphere- A half of the earth, usually as divided into northern and southern halves by the equator, or into western and eastern halves by the Prime Meridian.

latitude- is the angular distance of any object from the equator measured in degrees.

longitude- is the angular distance east or west on the earth's surface, measured by the angle contained between the meridian of a particular place.

map - A diagrammatic representation of an area of land or sea showing physical features, cities, roads or other features.

meridian- A circle of constant longitude passing through a given place on the earth's surface and the terrestrial poles.

parallel- Side by side and having the same distance continuously between them.

Poles - Either of the two locations (North Pole or South Pole) on the surface of the earth.

Prime Meridian- The zero meridian (0°), used as a reference line from which longitude east and west is measured.

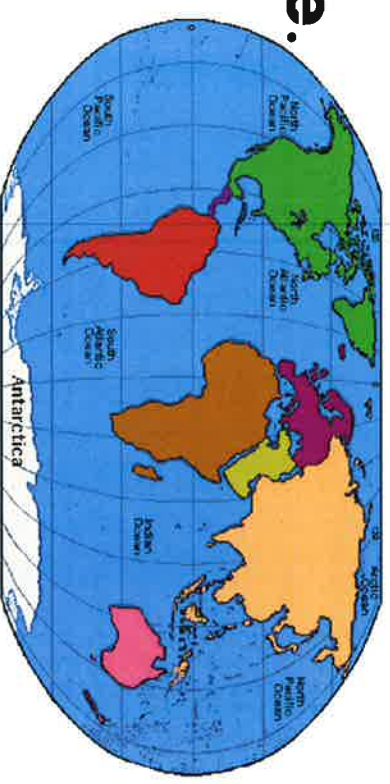
scale - The ratio between a distance on a map and the corresponding distance on the earth.

What are Maps and Globes?

What is a Map ?

A map is a picture of a place.

It shows where things are located.



For example, a map of a bedroom might show where the bed, dresser, and closet are. A map of a city often shows streets, highways, schools, and attractions or landmarks.

There are many kinds of maps, such as world maps, country maps, state and city maps, weather maps and population maps.

What are Maps and Globes?

What is a Globe ?

A globe is a model of Earth. It is like a map, but it is round.

A globe gives a better picture of how the world looks.

The round part of a globe rests on a stand, and it can turn the way Earth turns.



Both maps and globes give lots of information about many kinds of places.

Quick Check

Answer the questions and complete the sentences

1. A map is a picture of

2. What are three kinds of maps?

3. What are two things that might be found on a city map?

4. How is a globe different from a map?

5. A globe is a model of

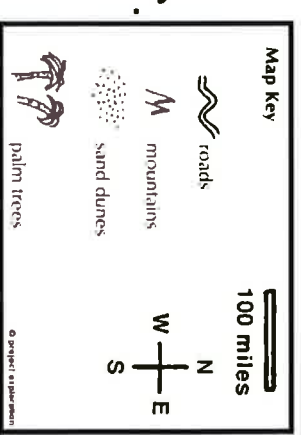
6. What do maps and globes give us?

Map Key or Symbols

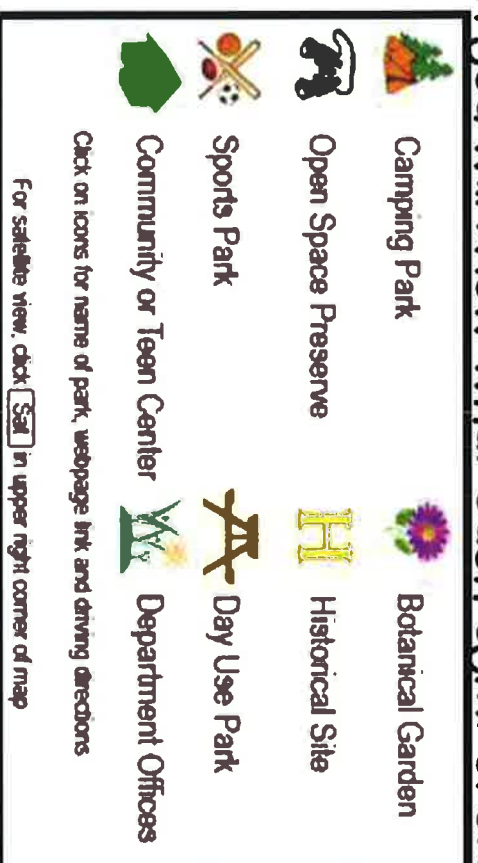
Maps use symbols to show places and things on Earth.

Symbols are drawings that stand for something real.

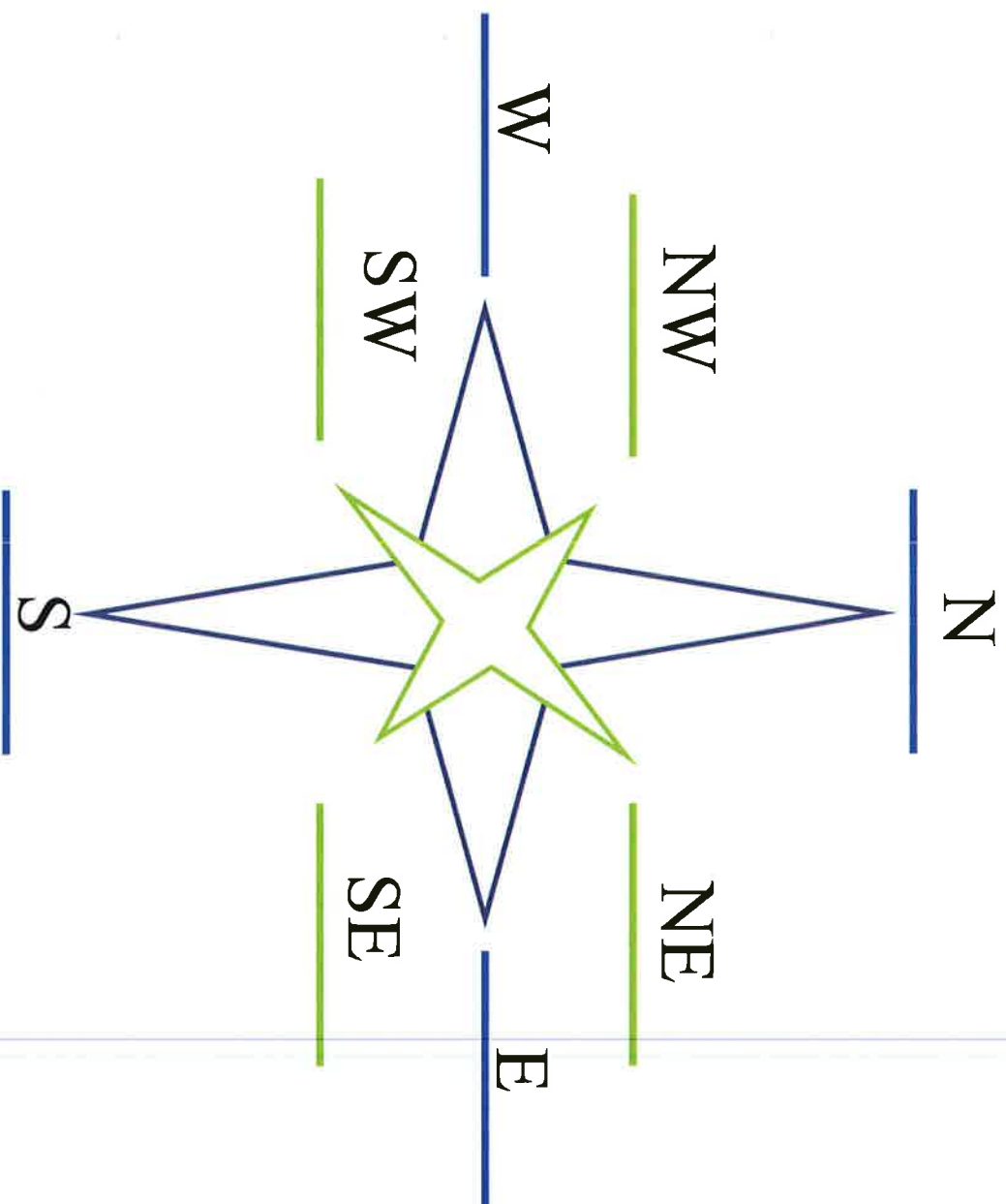
A map key tells you what each symbol stands for.



You must always check the map key first when reading a map. Then you will know what each symbol stand for.



Directions – Cardinal and Intermediate

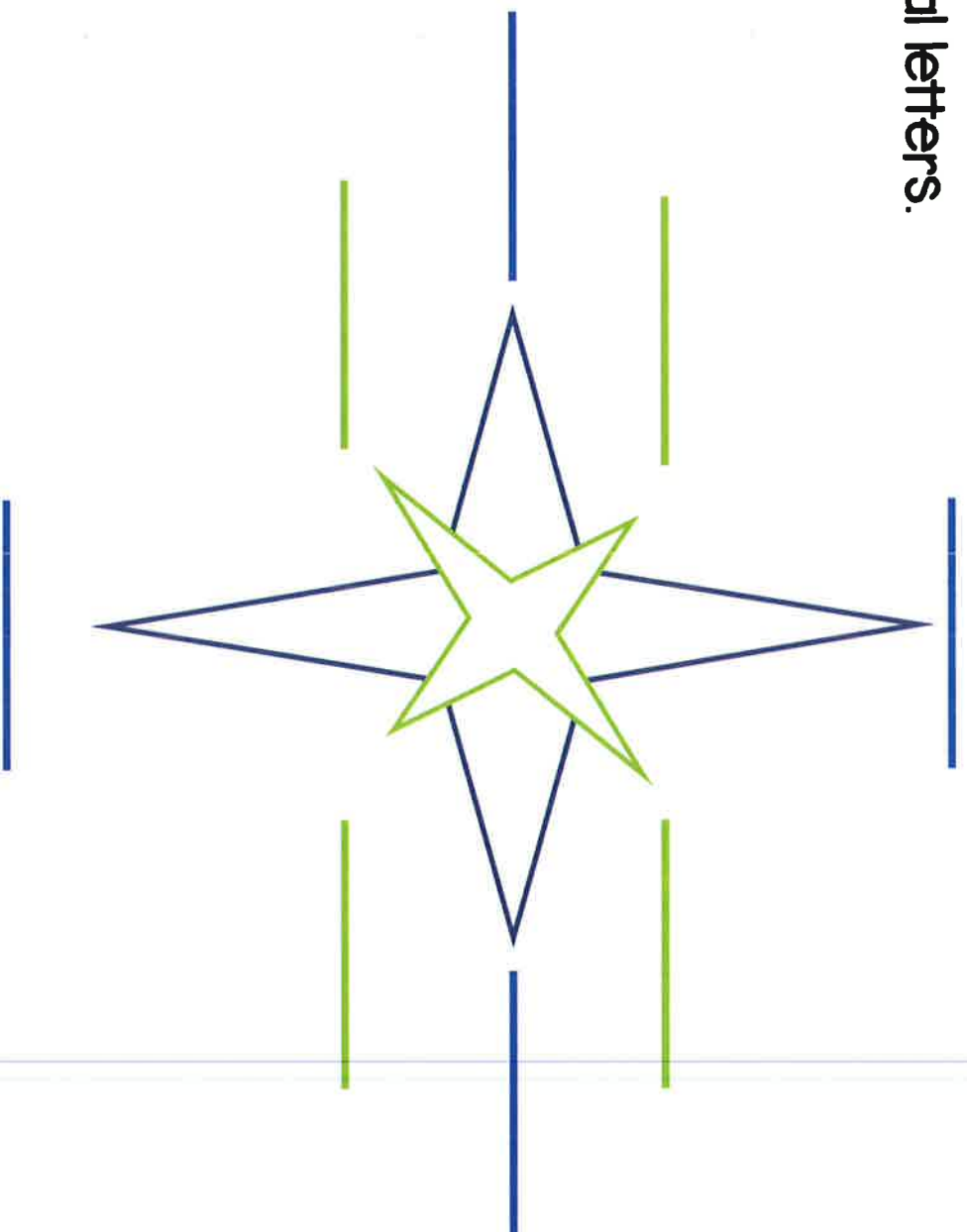


Quick Check

Name _____

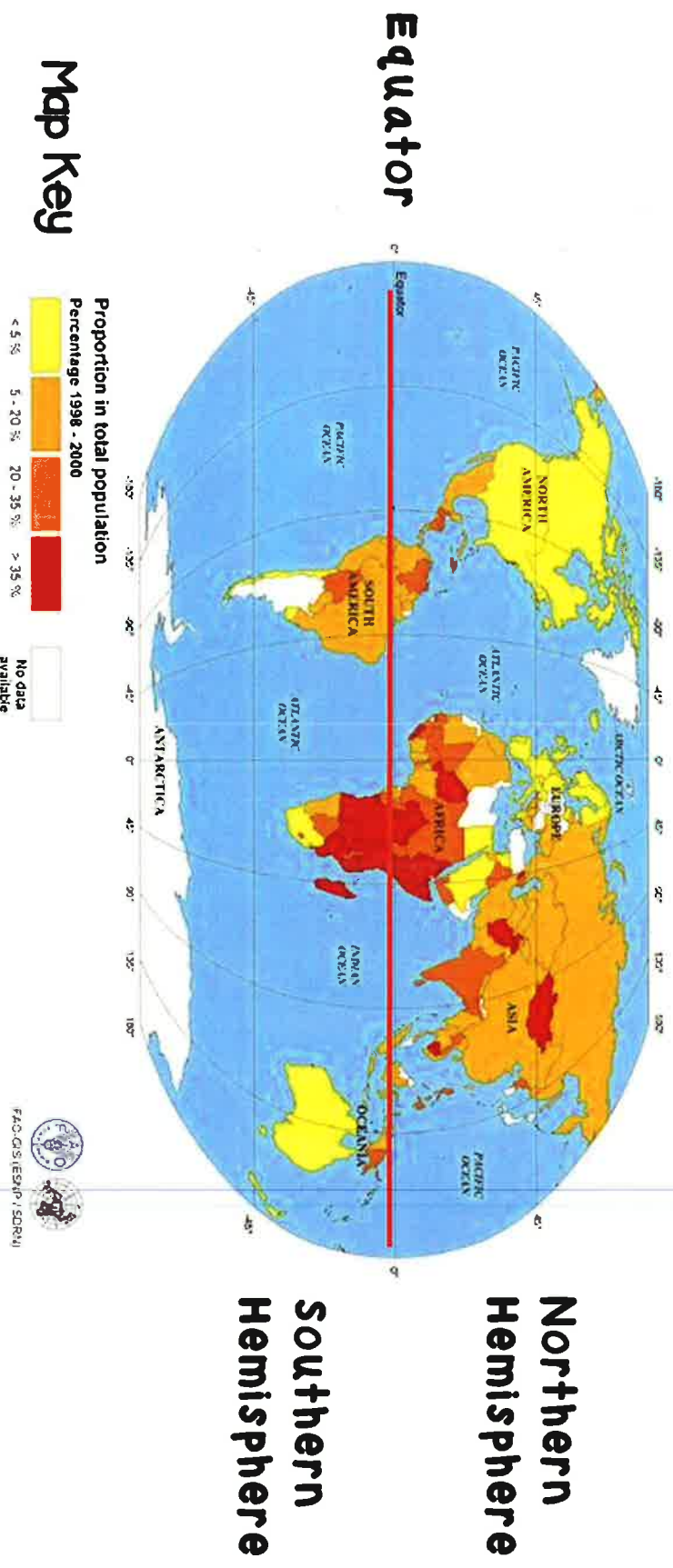
Label the 8 directions.

Use capital letters.



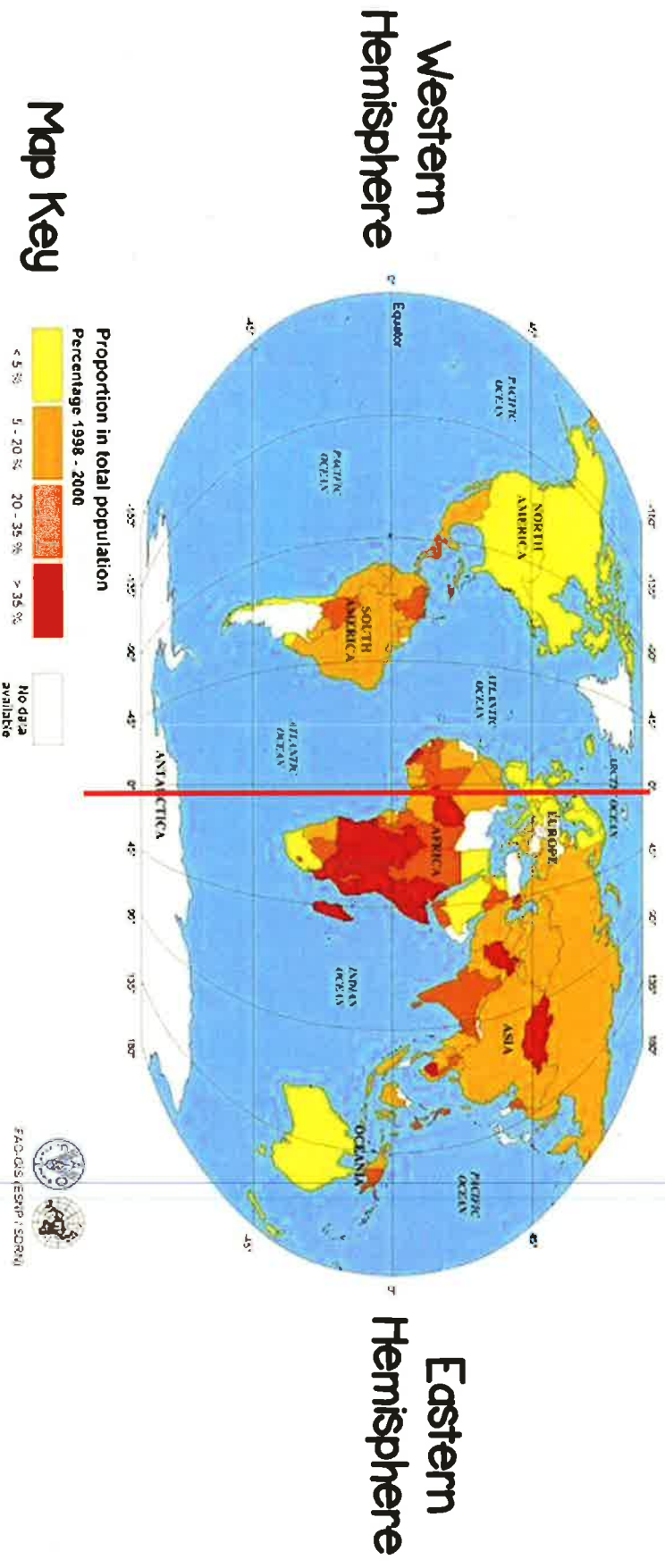
Equator

The **Equator** divides the earth in half. It is a great imaginary line around the middle of the earth. It divides the earth into two equal parts – the Northern and the Southern Hemispheres.

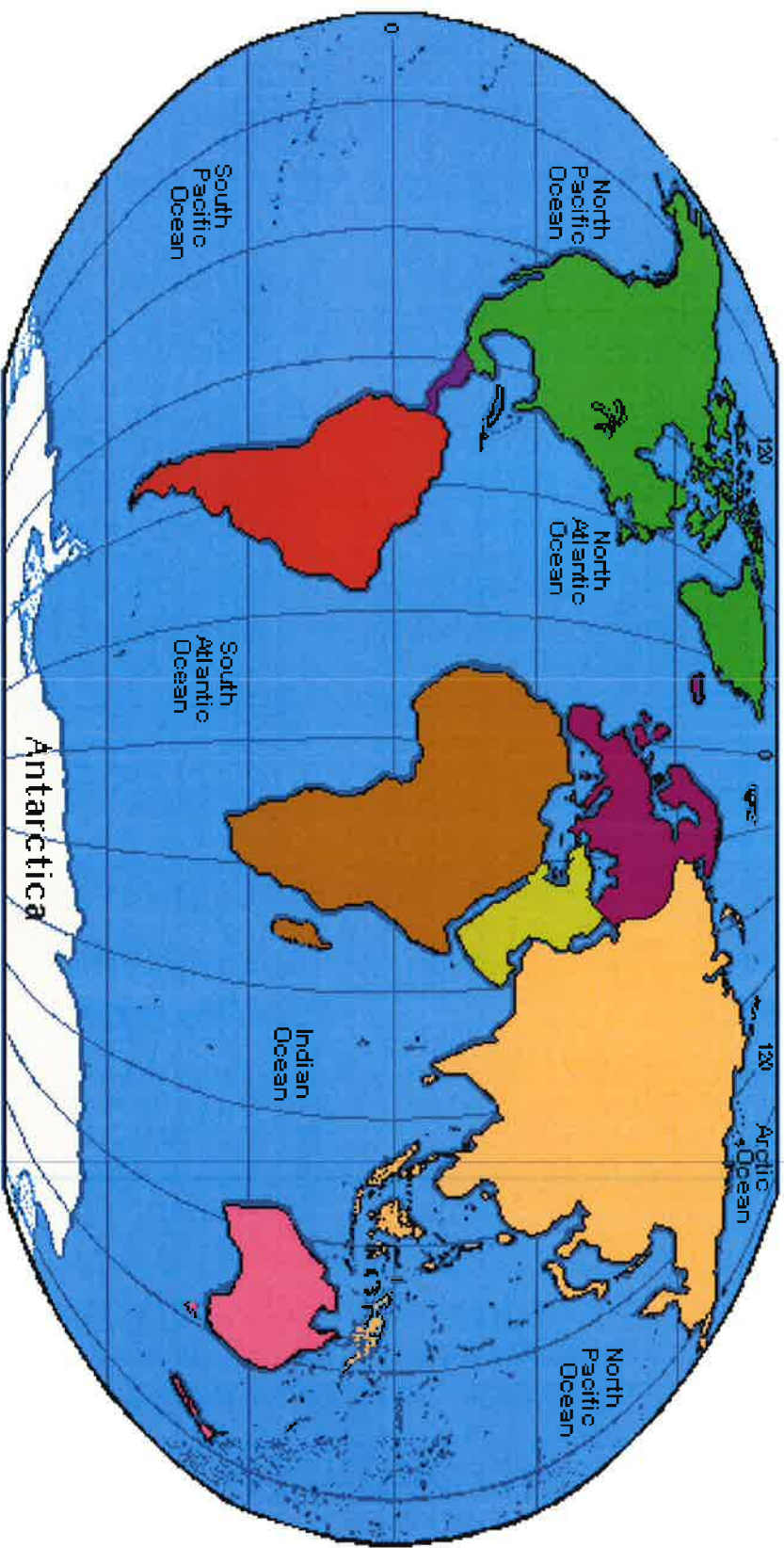


Prime Meridian

The **Prime Meridian** divides the earth in half, but the other way. It is an imaginary line running North and South. It divides the earth into two equal parts – the Western and the Eastern Hemispheres.

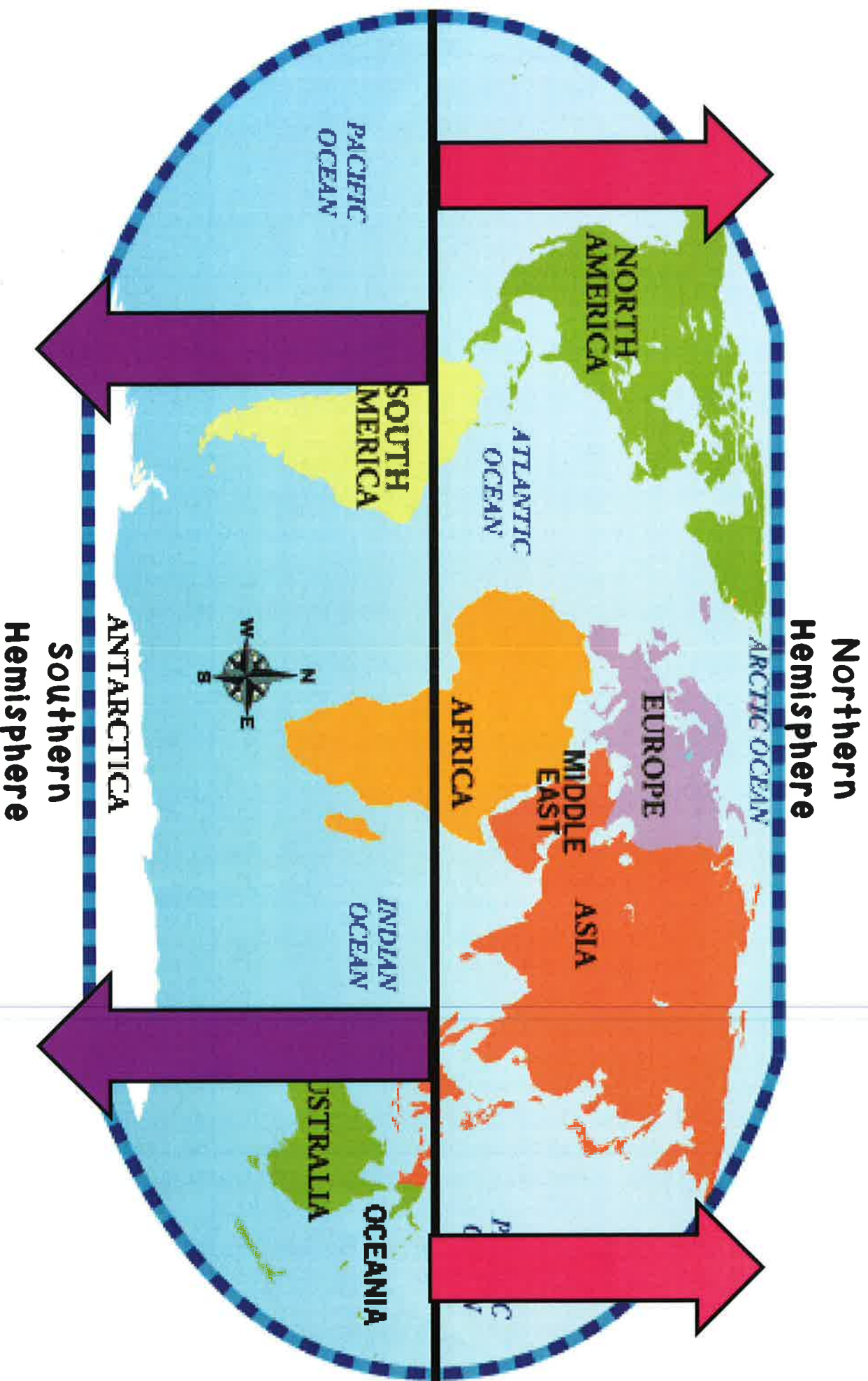


Hemispheres

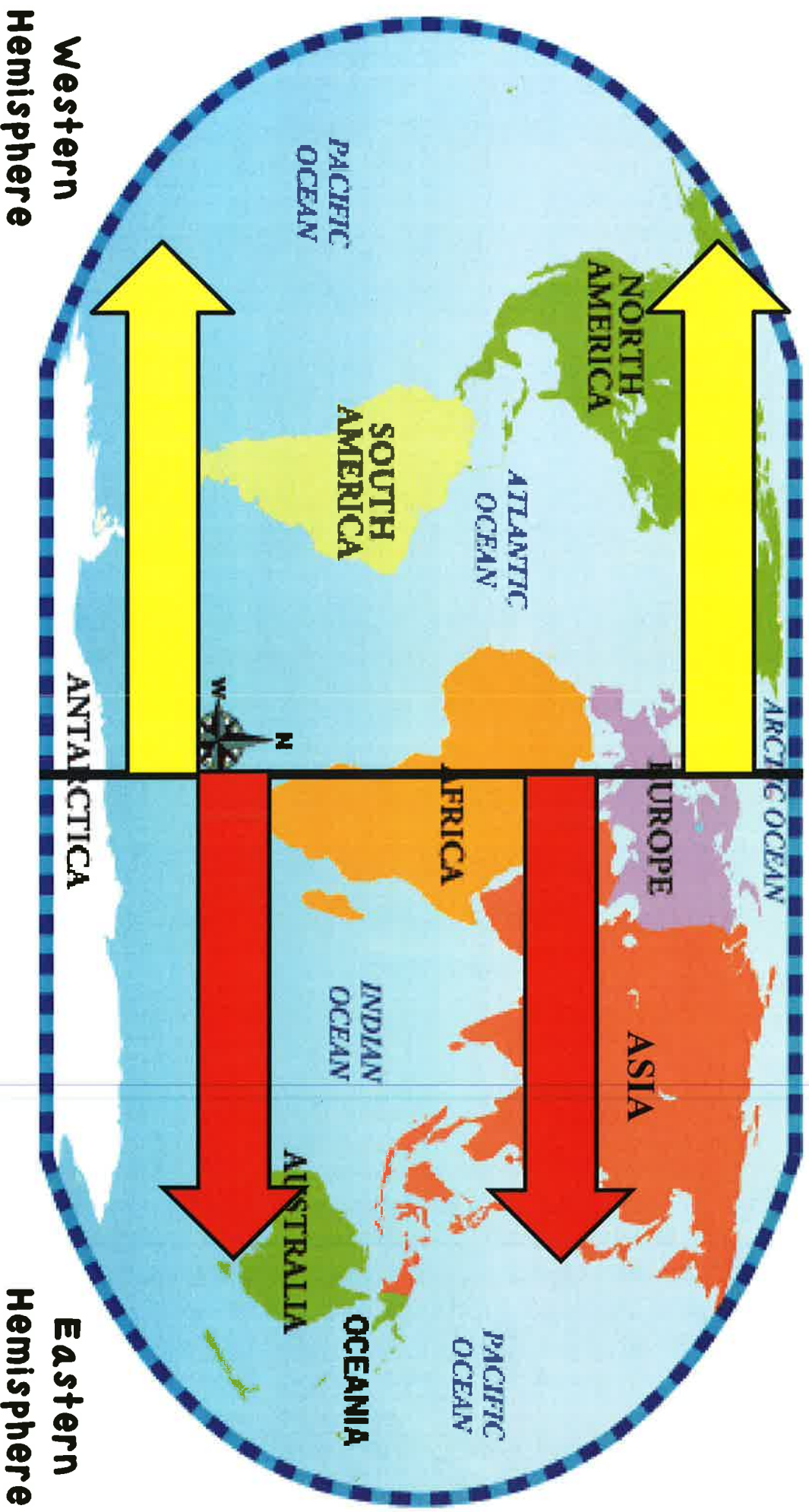


1. What imaginary line separates the Northern and Southern Hemispheres?
2. What imaginary line separates the Western and Eastern Hemispheres?

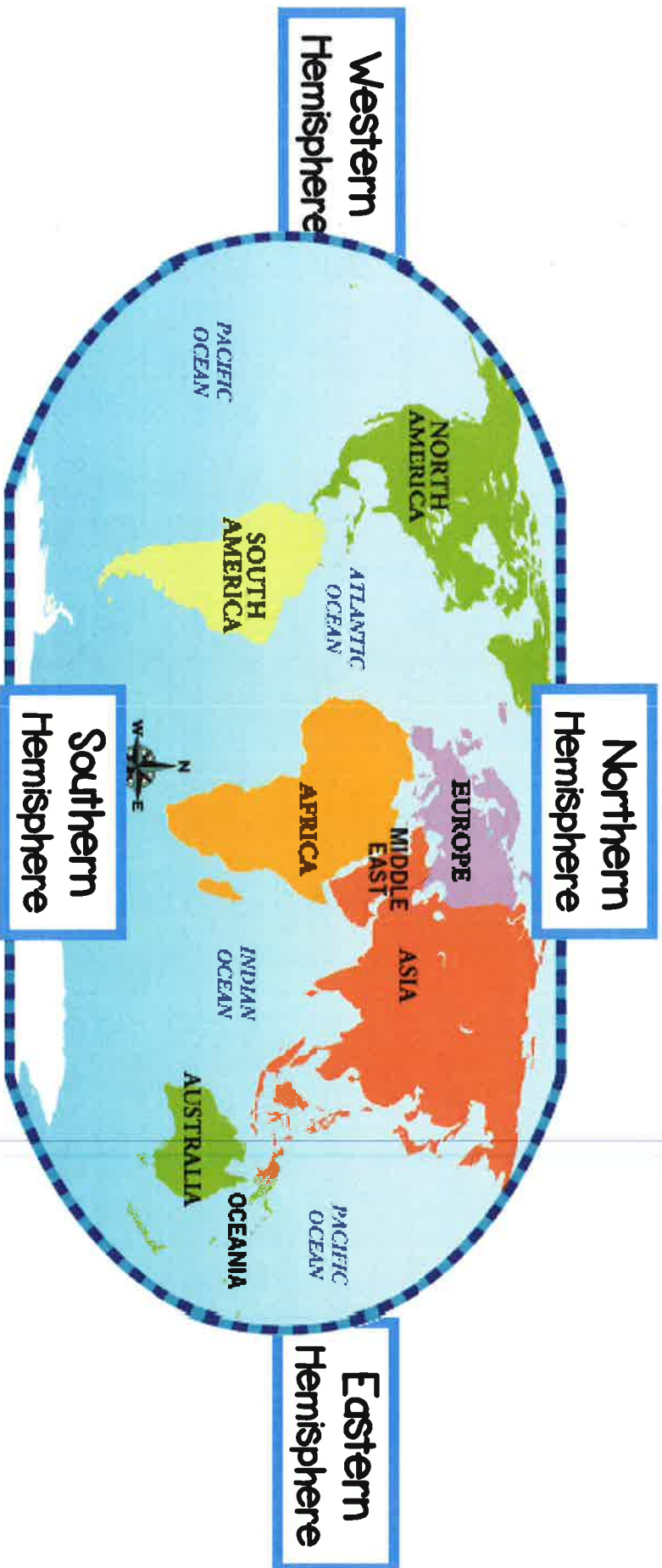
Hemispheres



Hemispheres



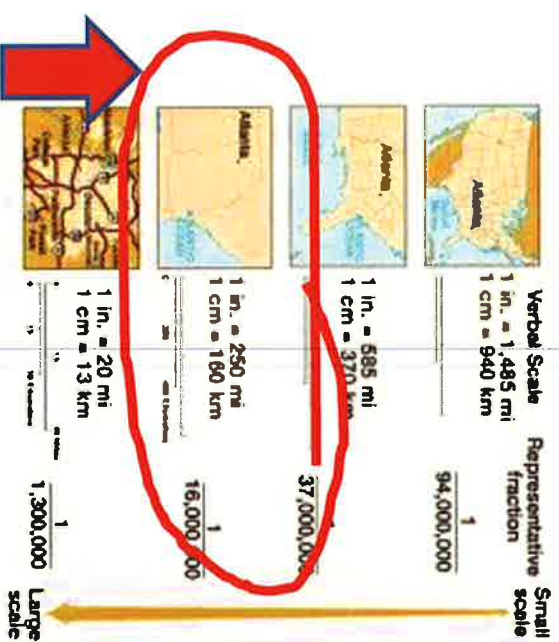
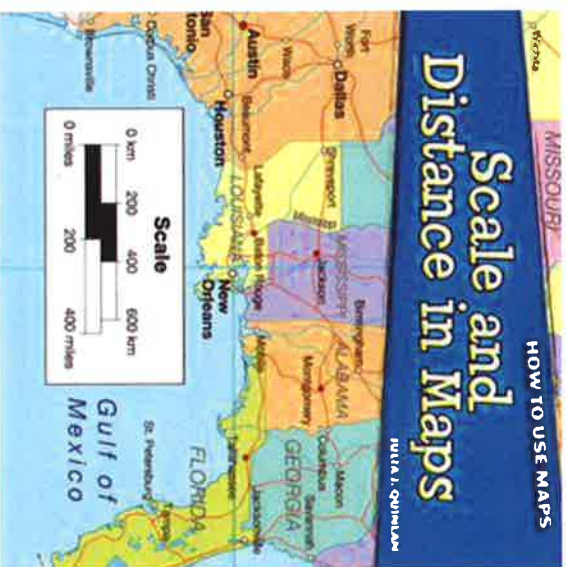
Hemispheres



1. What continents are mainly in the Western Hemisphere? _____
2. What continents are mainly in the Eastern hemisphere? _____ and _____

Map Scales

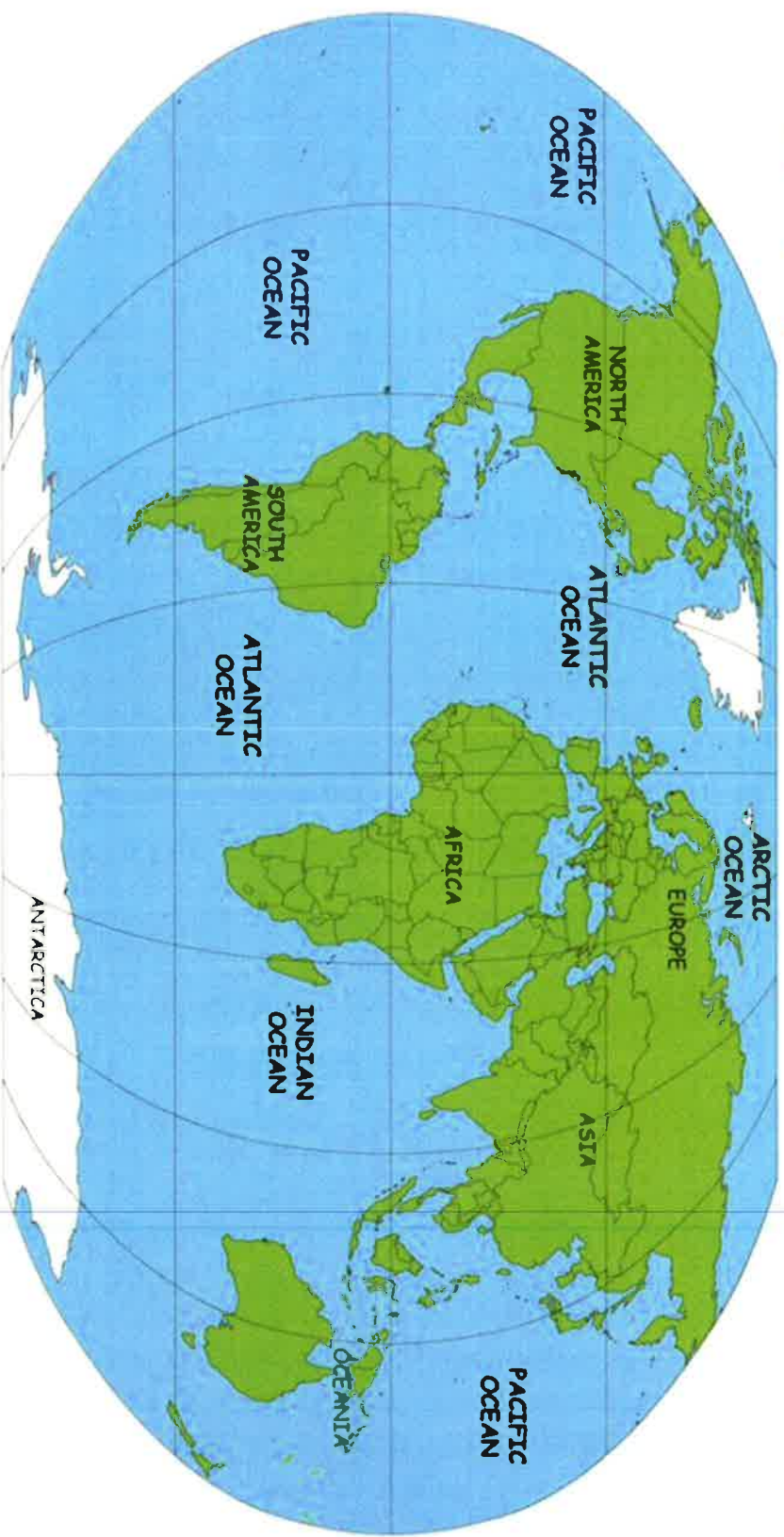
Distance is how far apart places are. The best way to figure out distance on a map is by using a **map scale**. A map scale shows you what distance on a map equals on Earth.



For example, if a map scale tells you that one inch on a map is the same as 250 miles on Earth. So you can figure out if you travel 5 inches from one point to another, then that would really be the distance of _____ miles in real life.

Continents

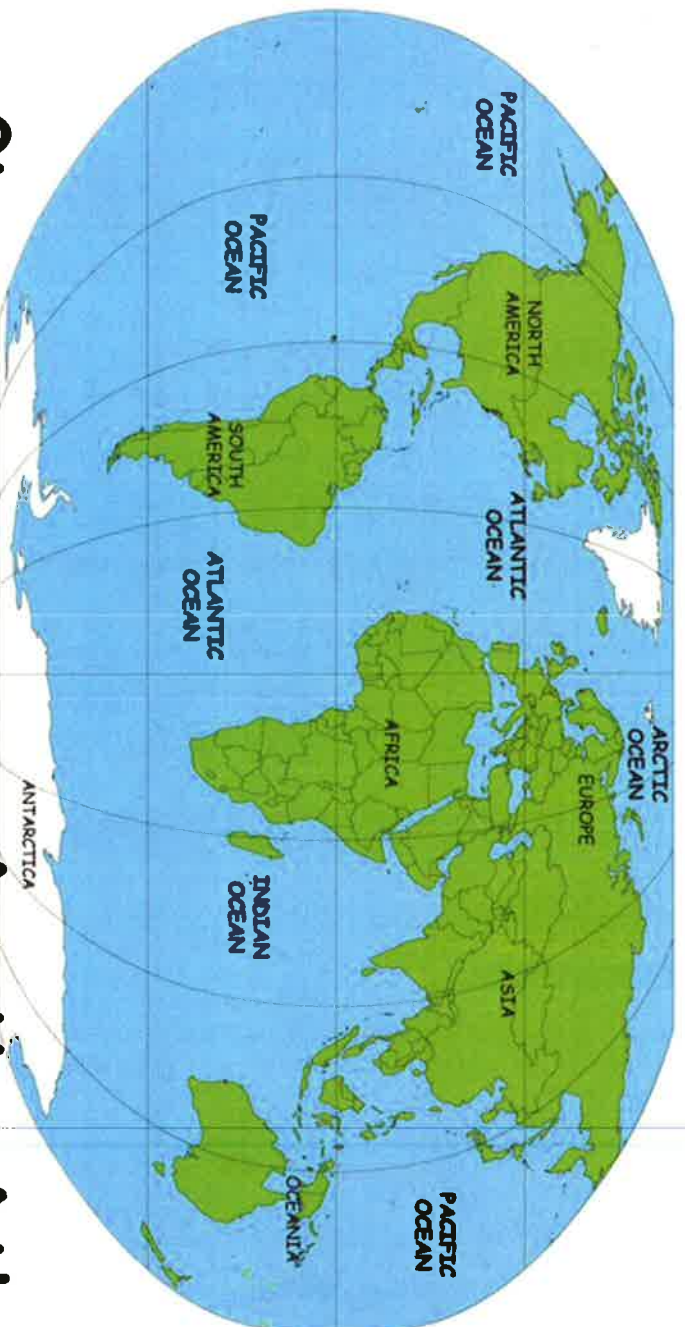
There are seven continents on Earth. They are North America, South America, Europe, Africa, Asia, Australia and Antarctica.



Oceans & Water everywhere

Did you know that most of Earth's water is salt water in the five oceans ? Fresh water can be found in lakes, river, and other bodies of water.

OCEANS OF THE WORLD



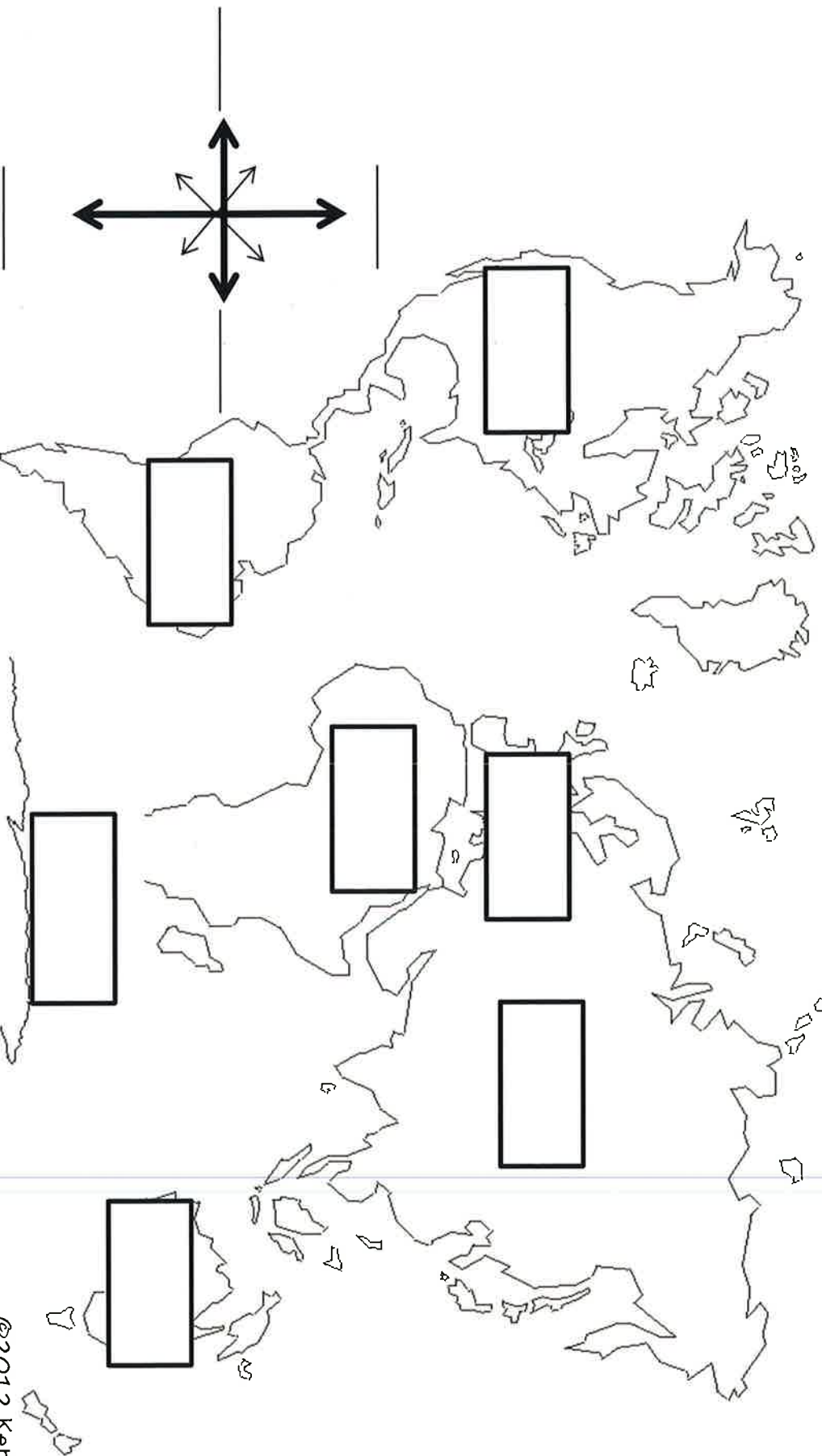
The five oceans are Arctic, Atlantic, Pacific, Indian and the Southern Ocean.

Quick Check

Name _____

Social Studies – Quick Check

Label the seven continents and five oceans. Color the oceans blue and each continent a different color. Label the compass rose (8 directions).



Quick Check

Name _____

Social Studies – Quick Check

Label the seven continents and five oceans. Color the oceans blue and each continent a different color. Label the compass rose (8 directions).



Types of Maps

There are many different types of maps. You will learn about five types.

Physical Maps show the land as it was created by nature. They show mountains, plateaus, rivers, lakes, plains and other land and water features. These maps sometimes show height of land. This is called elevation.

Political Maps show the boundaries that separate political areas such as townships, counties, states, provinces or nations. They can also show information like names of cities/towns, highways/roads, and points of interest.

Population Maps show where people live. It shows the average number of people living in a defined area.

Product Maps show the types of things that are grown, raised or mined in a certain place.

Weather Maps show where it is sunny, rainy, cloudy, and snowy. Some show the high or low temperatures and some show where there are lightening strikes. There are different types of weather maps.

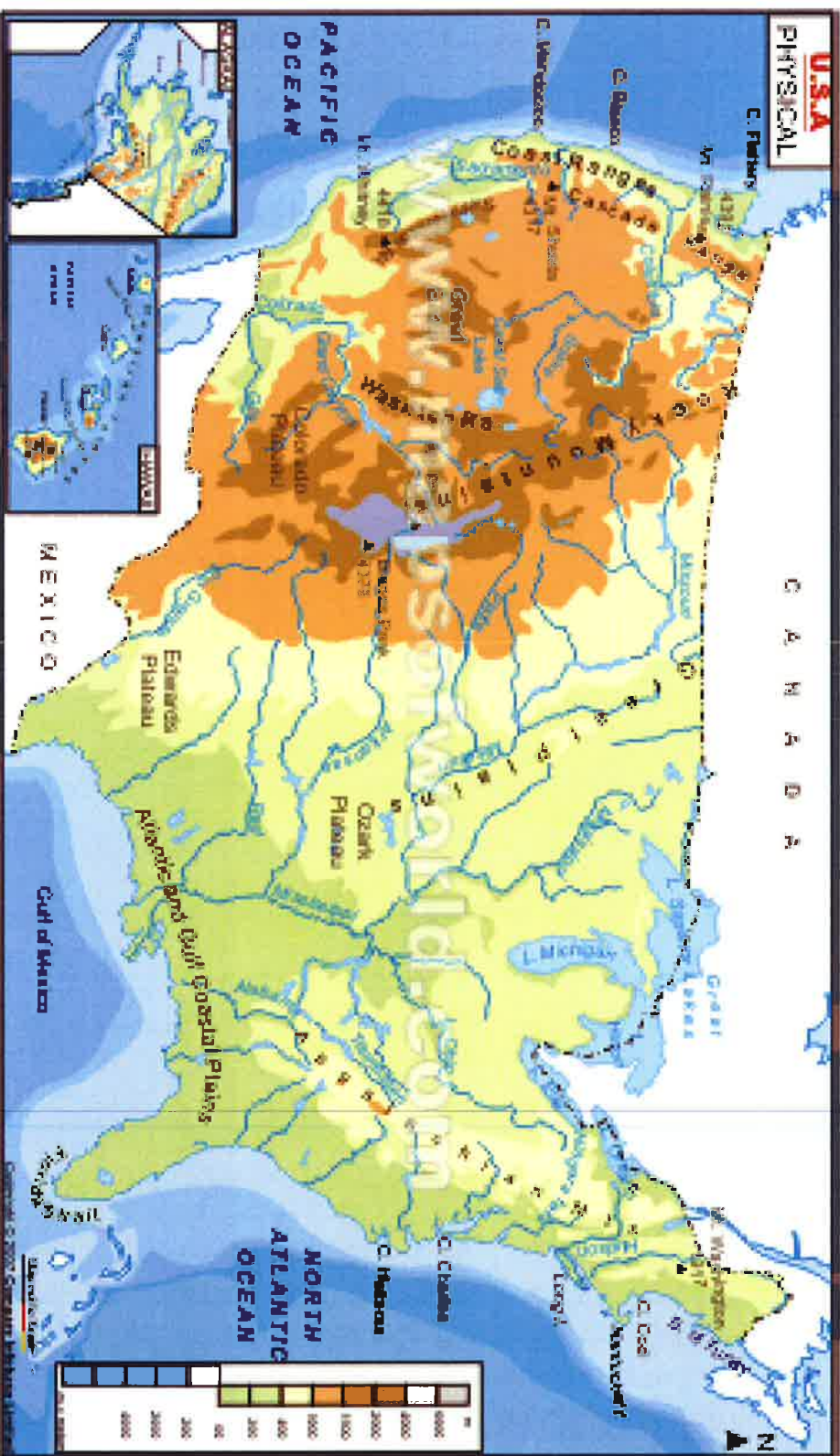
Physical Map

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Physical Map

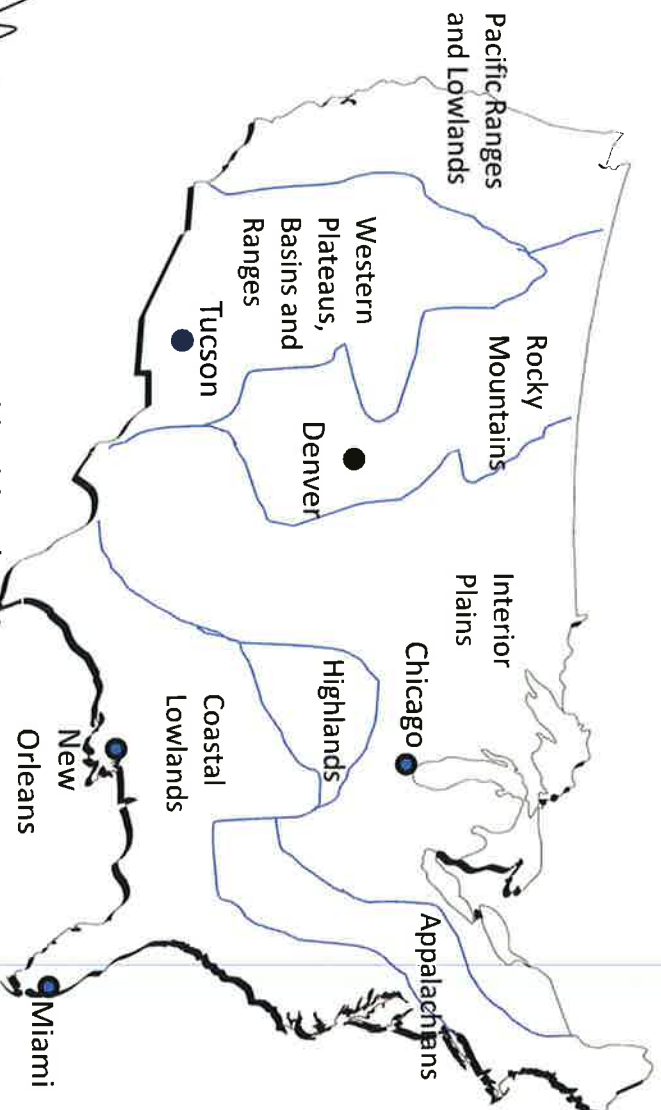
Physical Maps are typically different colors. The shade of colors are in the map key and will tell you more about the land features.






Physical Map – Quick Check

Physical Maps show natural features of the earth such as water, mountains, deserts, and high and low regions. Finish the map as directed.

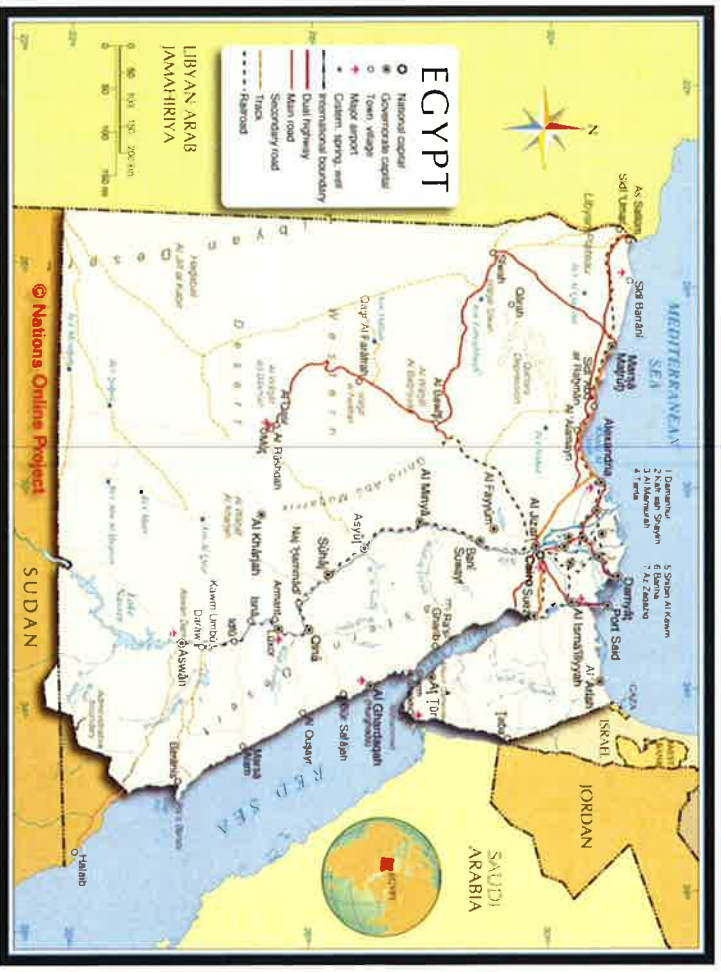
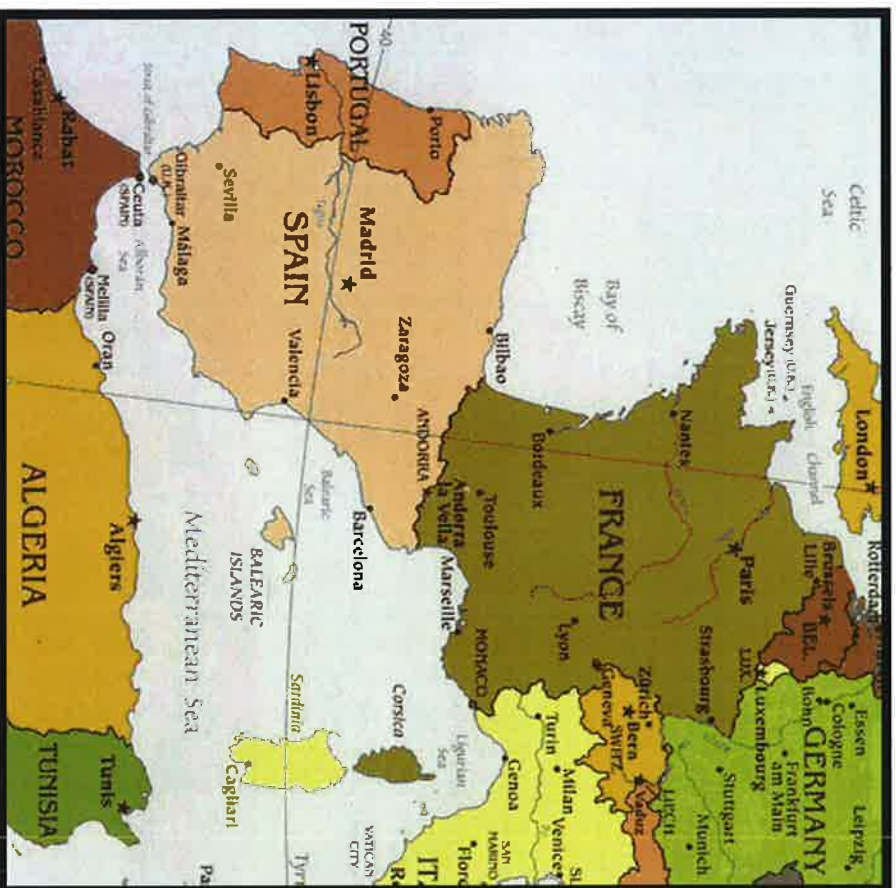
United States of America



1. Draw brown  in the mountain and highland regions.
2. Draw orange  on the Pacific Ranges and Lowlands.
3. Color the 5 Great Lakes blue.
4. Draw green  on the Coastal Lowlands.
5. Color the Interior Plains yellow.
6. Name one city found in the mountains. _____

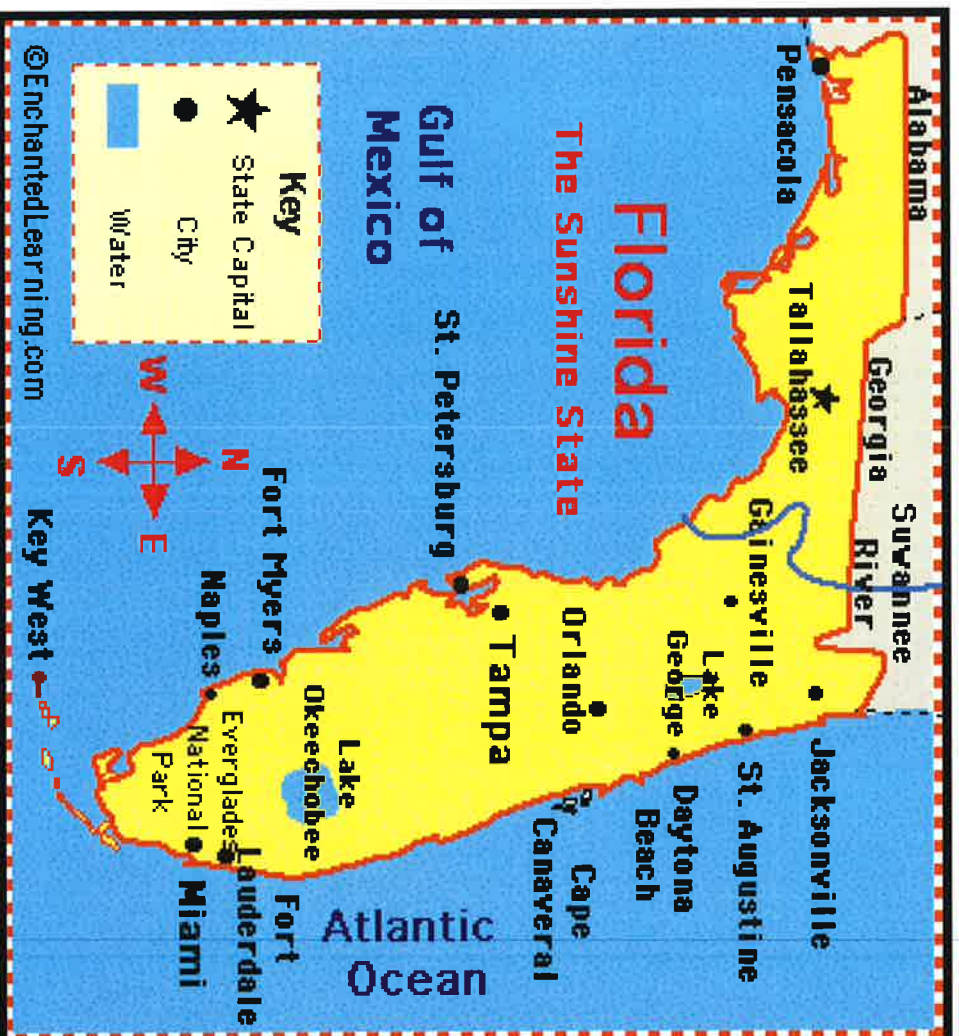
Political Map

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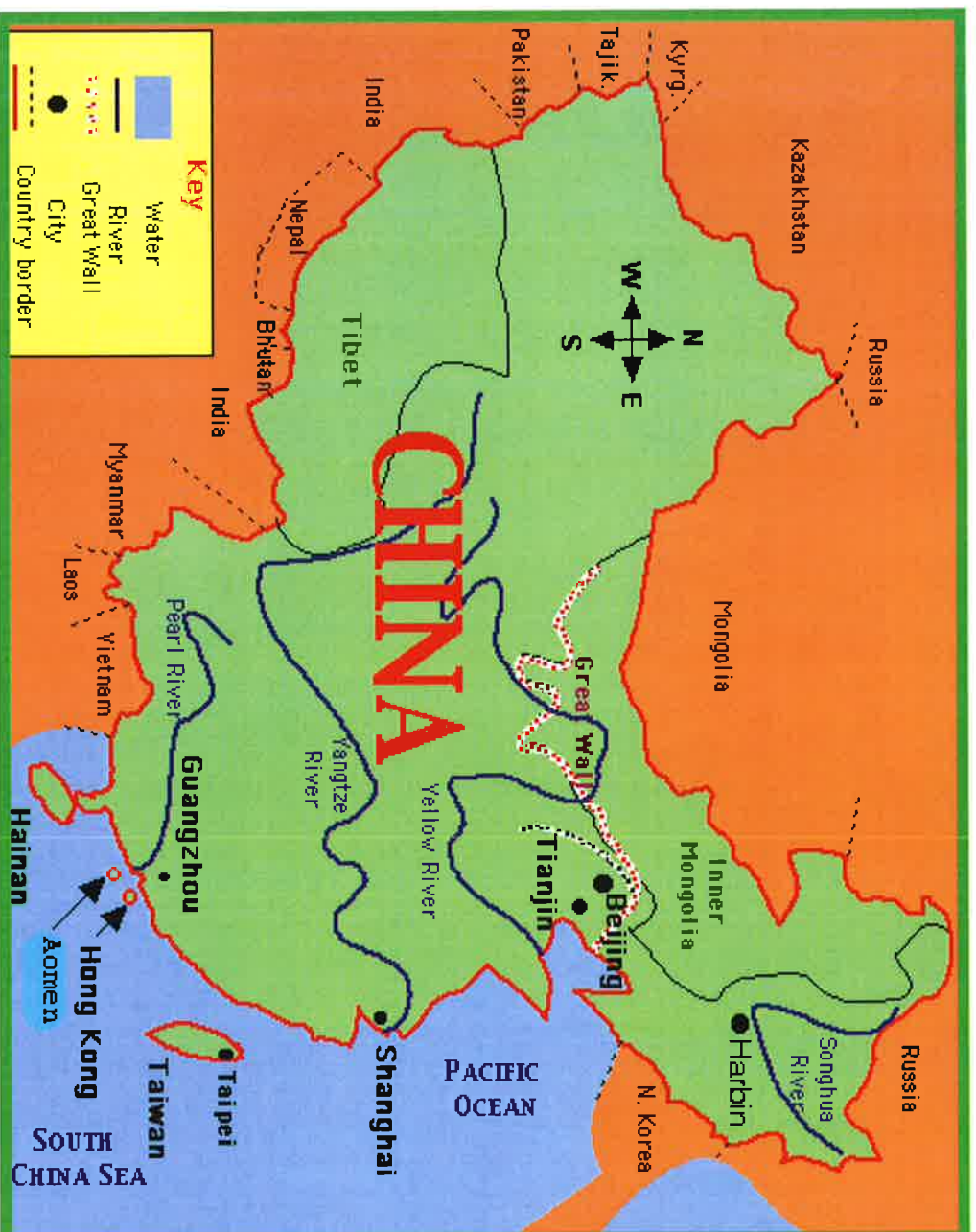
Political Map

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Political Map – Quick Check

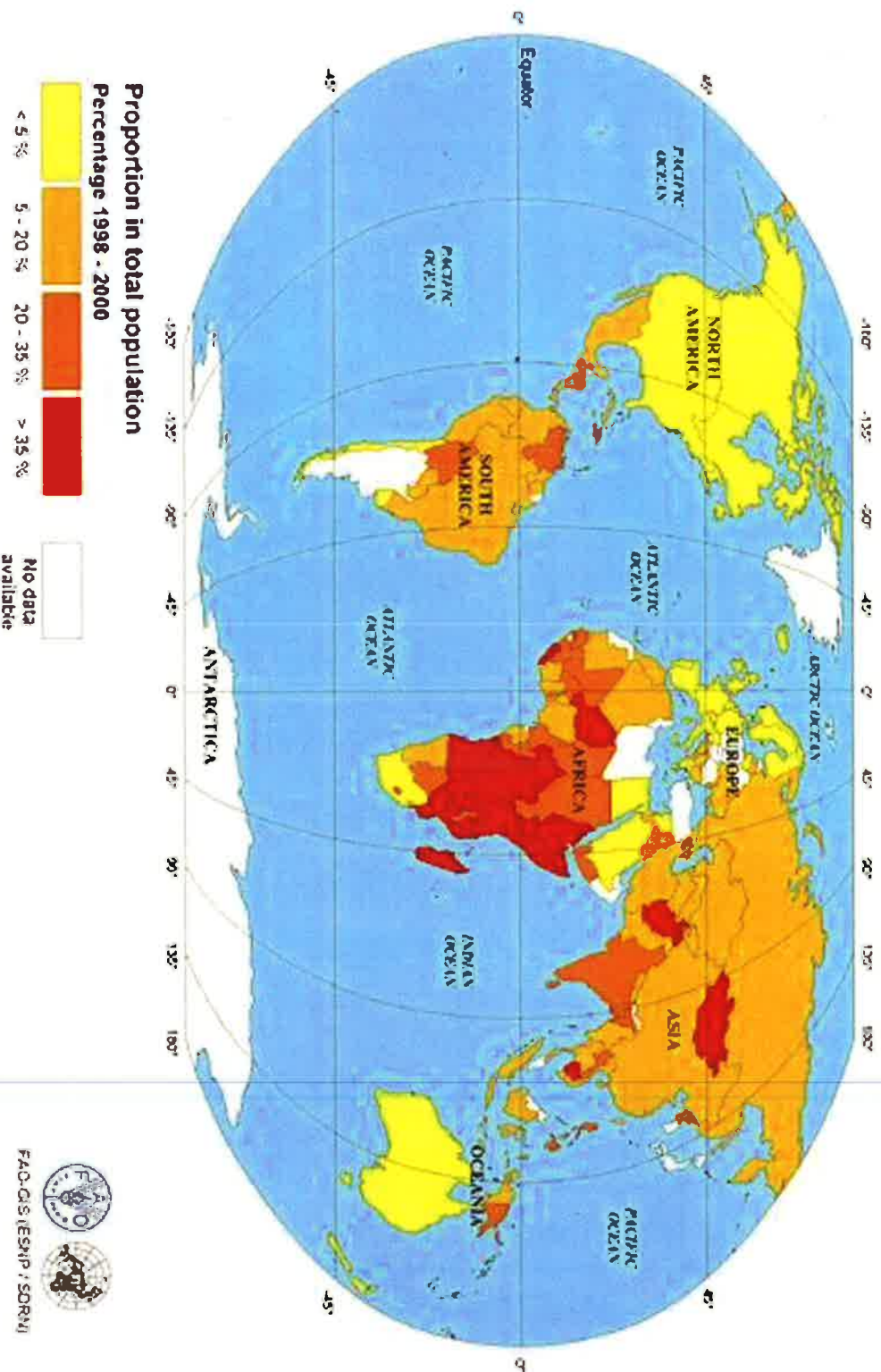
Political Map of China



1. What symbol is used to show a river ?
2. What color is the water ?
3. What would you look for if you wanted to find a city in China?
4. The red line on this map is used to show the _____.
5. Draw the symbol used to show where the Great Wall is.

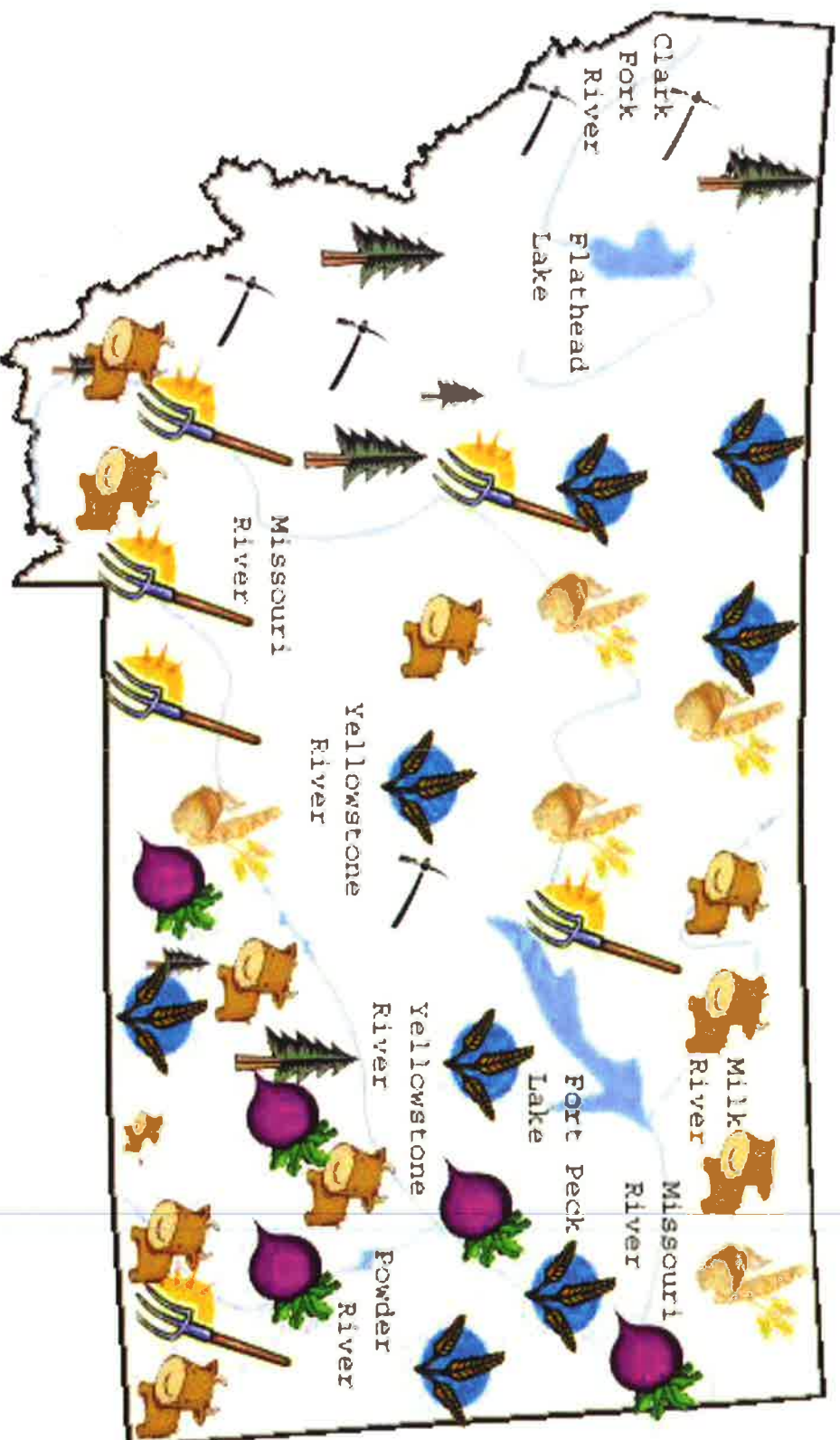
Population Map

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Product Map

Product Maps show the types of things that are grown, raised or mined in certain place.

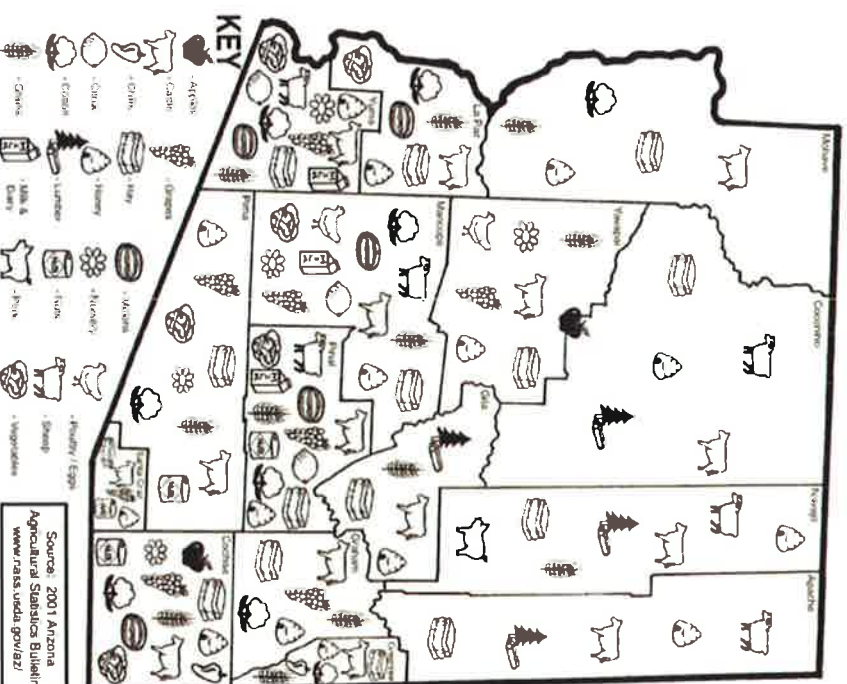


Product Map

Product Maps show the types of things that are grown, raised or mined in a certain place. Here is another example of a product map of Arizona.

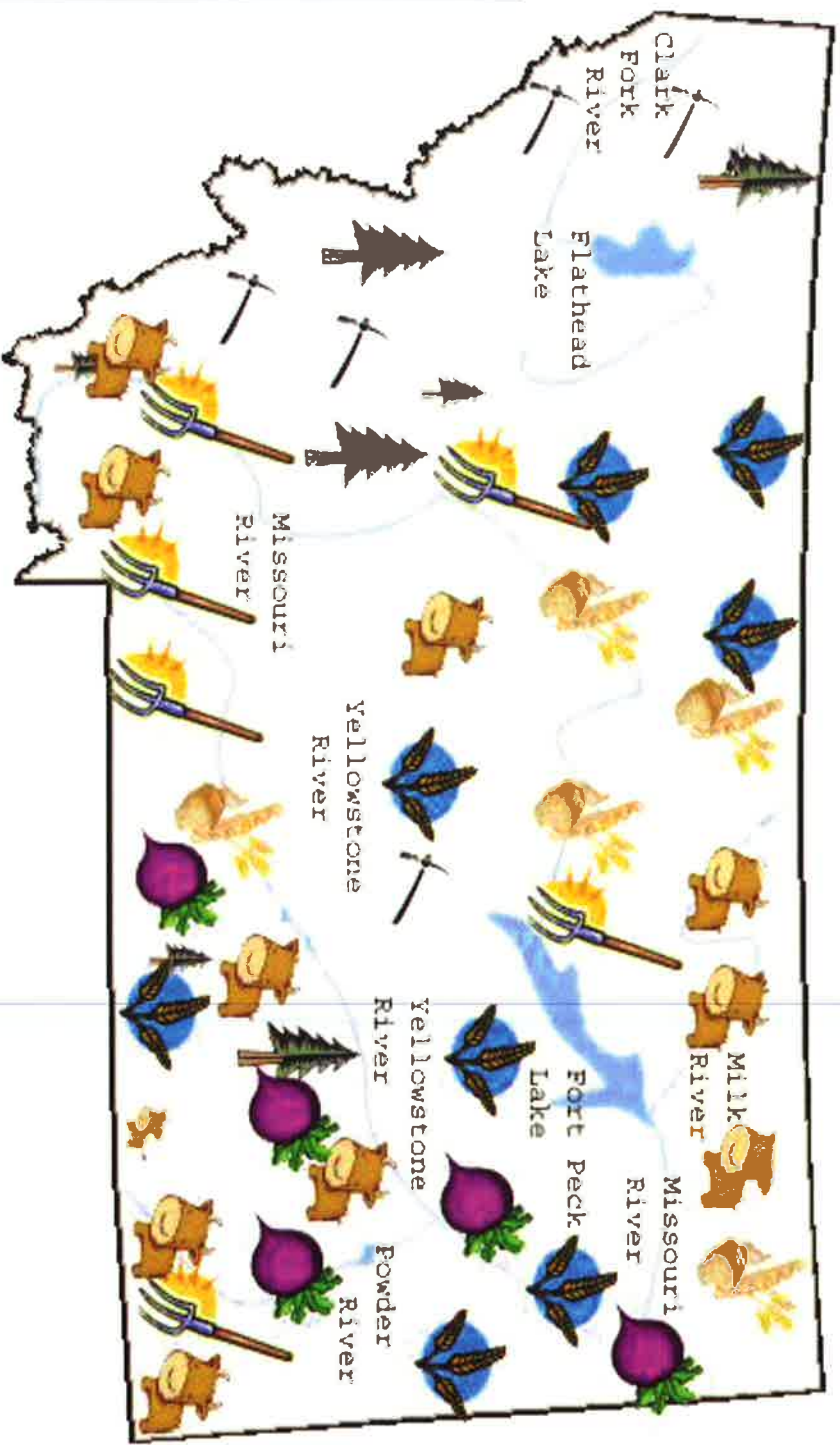
Arizona Grown

An agriculture commodity is something grown on a farm or a ranch. Milk, oranges, beef and cotton are agriculture commodities. This map shows all the major commodities grown in Arizona's 15 counties. There are 7,500 farms in our state.

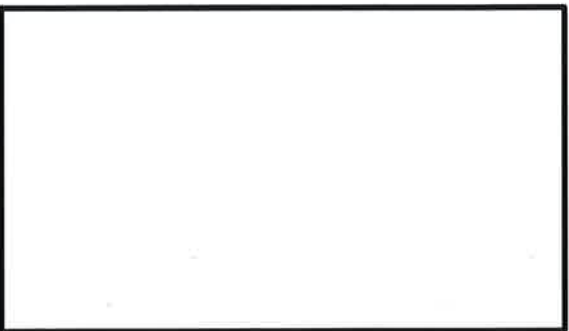


Product Map

DRAW and color a KEY for this map by looking at the pictures used to represent the products grown, raised or mined here.

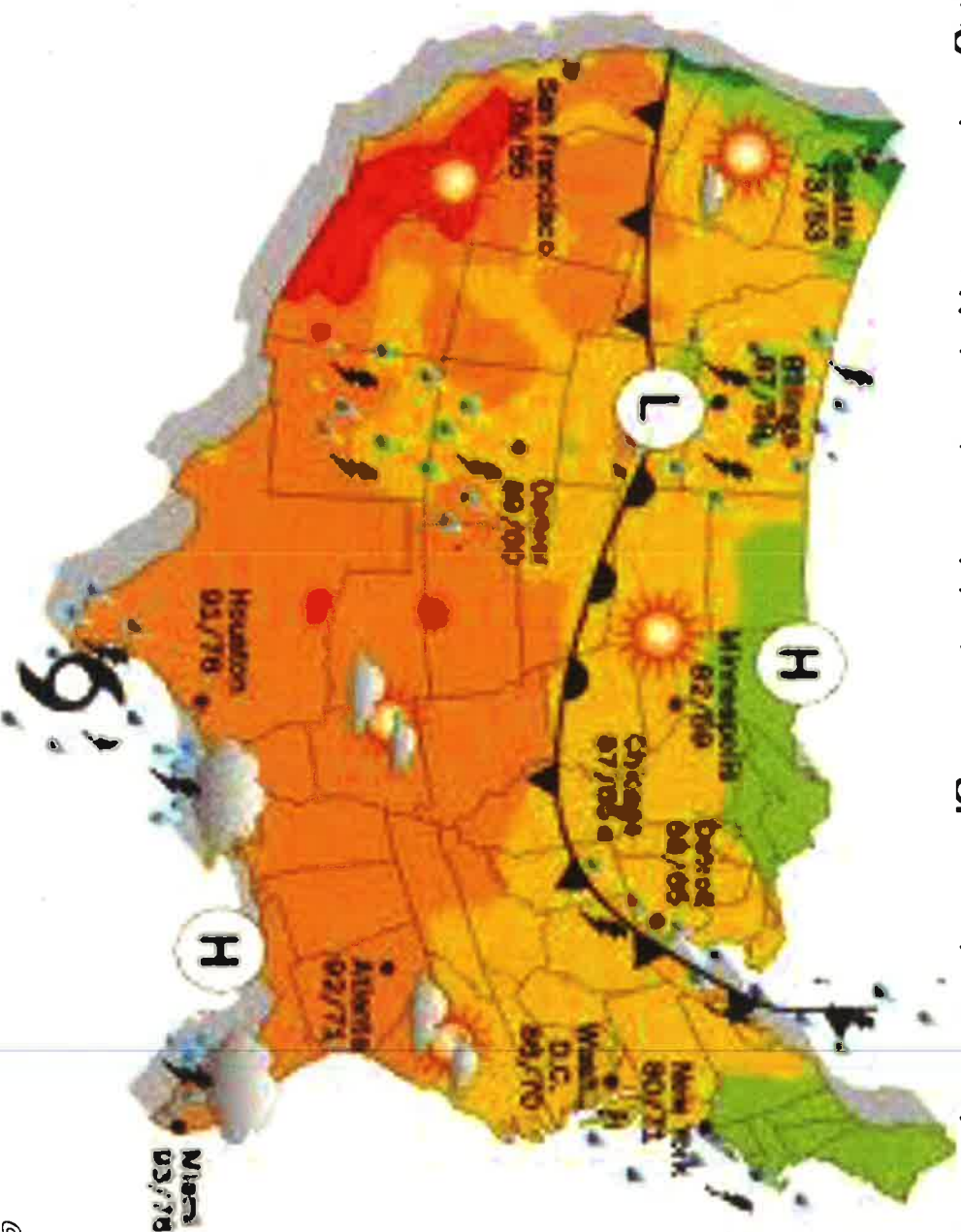


KEY



Weather Map

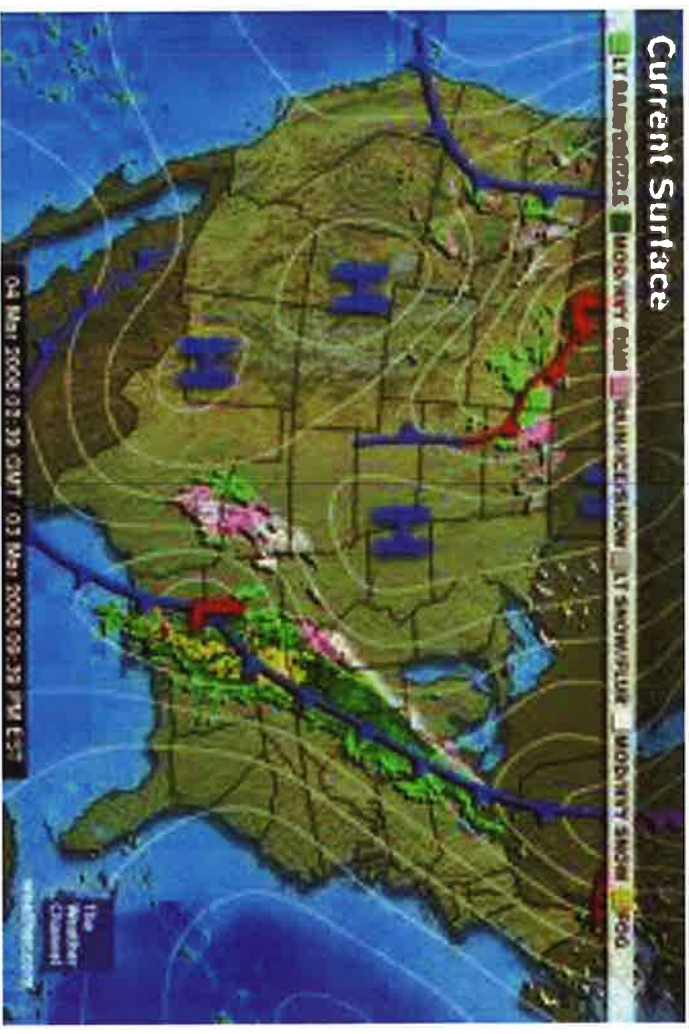
Weather Maps show where it is sunny, rainy, cloudy, and snowy. Some show the high or low temperatures and some show where there are lightning strikes. There are different types of weather maps.



Weather Map

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Outline Map of the World



Coordinates

| | | | | | |
|---|---|---|--|---|---|
| 4 | | | |  | |
| 3 | | |  | | |
| 2 |  | | | |  |
| 1 | |  | | | |
| | A | B | C | D | E |

1. Name the coordinates of the red rose. _____, _____
2. What are the coordinates of the soccer ball _____, _____
3. _____ is where the black cat is located.
4. The star can be found at the coordinate _____, _____
5. Name the coordinates of the dog. _____, _____

Latitude

You can find places in the world by knowing how to read latitude and longitude lines. These lines are imaginary lines and you have already learned two – the equator and prime meridian.

Latitude is the angular distance of any object from the equator measured in degrees.

The main line of latitude is the EQUATOR.

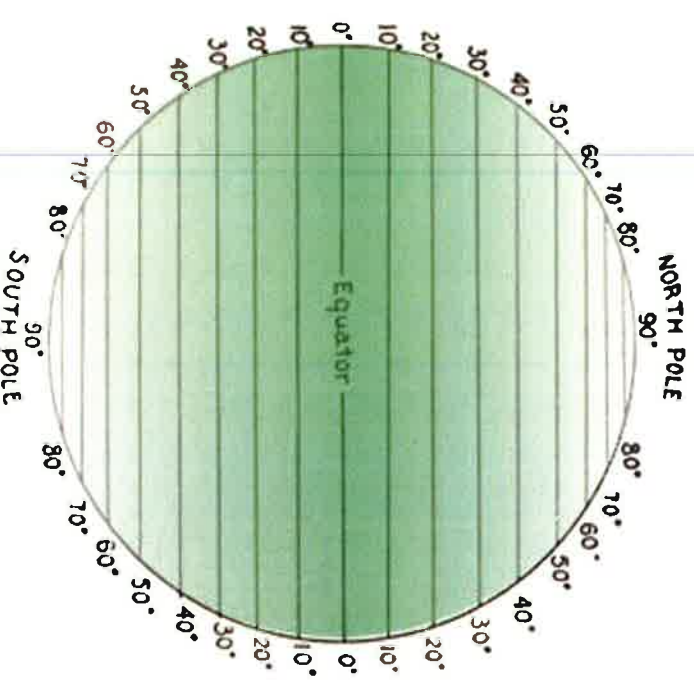
Lines of latitude circle the globe and are parallel to each other. That means that the lines are always the same distance apart. They never meet.

Sometimes lines of latitude are also called parallels.

Latitude lines run from WEST to EAST.

They measure the distance north and south of the equator.

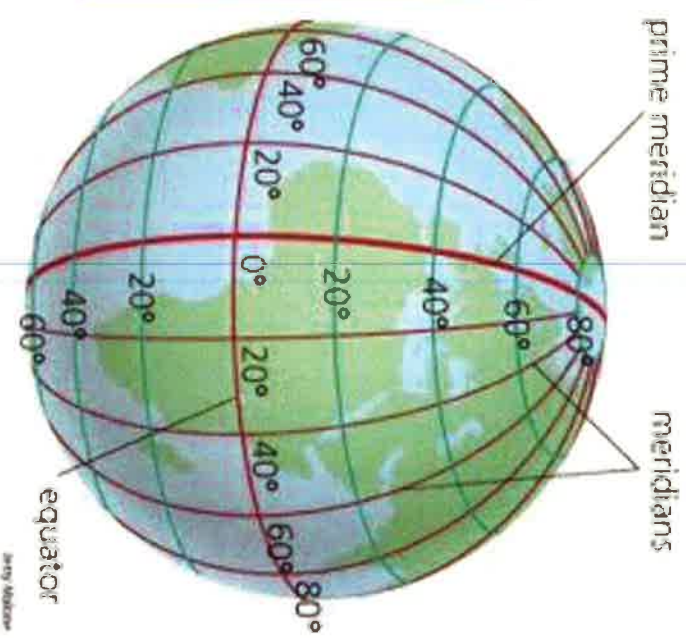
The equator is marked 0 degrees. (0°)



Longitude

As we just learned, the lines extending around the Earth horizontally are called lines of latitude. They measure how far north or south an object is on the Earth.

The lines running vertically around the Earth are called **LONGITUDE**. These lines are called **meridians**, and measure how far east or west an object is located. Lines of longitude run from **NORTH** to **SOUTH** and they meet at the **POLES**.



In Summary ~ Latitude and Longitude

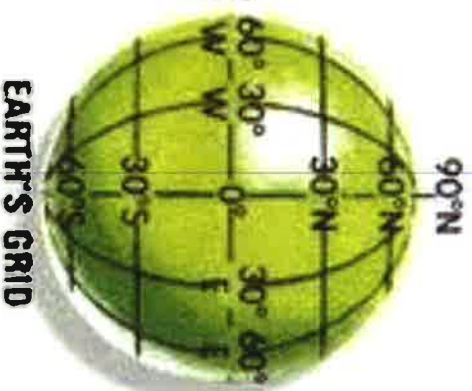
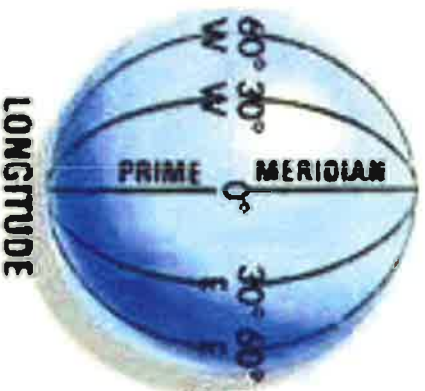
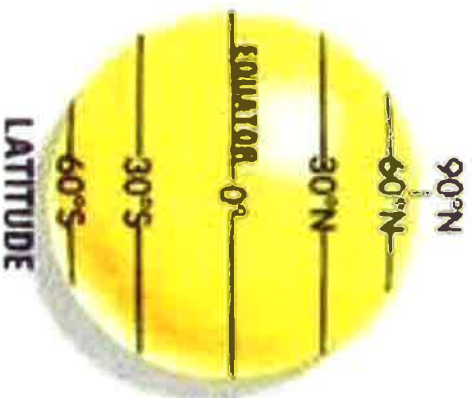
Latitude

Lines of latitude are also called parallels. Parallels are equal distances apart from the equator to the poles. The equator is zero degrees latitude while the North and South Poles are 90 degrees latitude. Latitude is measured in degrees north and degrees south.

Longitude

Lines of longitude or meridians are perpendicular to lines of latitude. Lines of longitude begin at the prime meridian and are measured in positive degrees going east up to 180 degrees and negative degrees going west up to -180 degrees.

Latitude and Longitude

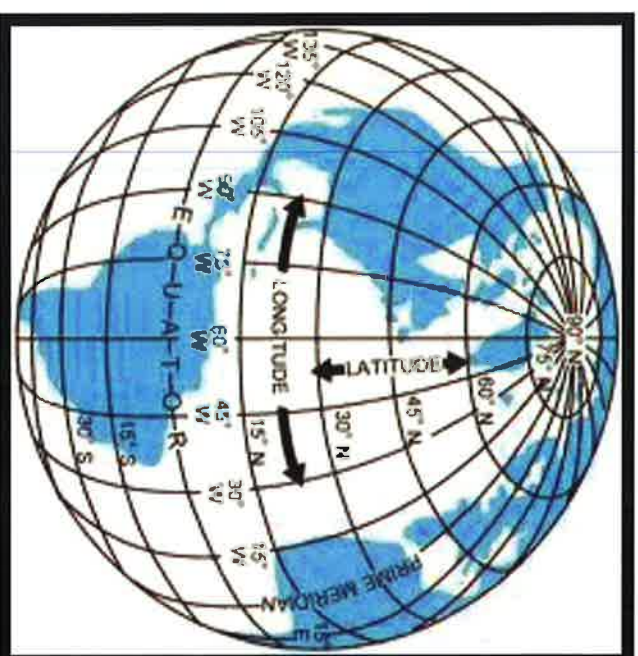


You can remember lines of **LATITUDE** run W to E – they look like the rungs on a LADDER.

LADDER sounds like **LATITUDE**.



You can remember which way the lines of Longitude go .. By remembering the word **LONG** – the lines are **LONG** and it's the first four letters found in **LONGITUDE**.



Latitude and Longitude – Quick check

Name _____

Fill in the blank using the word box to help you.

1. Which lines run from west to east?

2. Which lines run from north to south?

3. The equator is a line of _____. (latitude or longitude)
4. The prime meridian is a line of _____. (latitude or longitude)
5. Draw a picture and explain how you can tell the difference between which are lines of latitude and lines of longitude. What clues help you to remember?

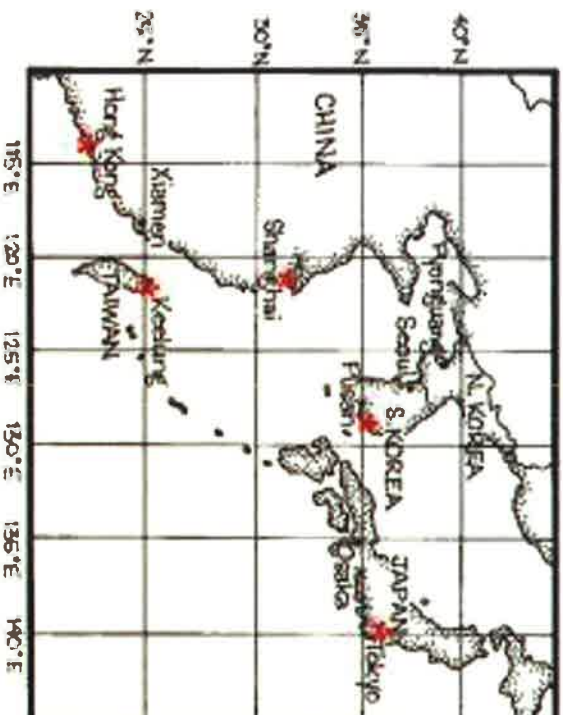
Word Box

Latitude longitude meridians parallels

Latitude and Longitude

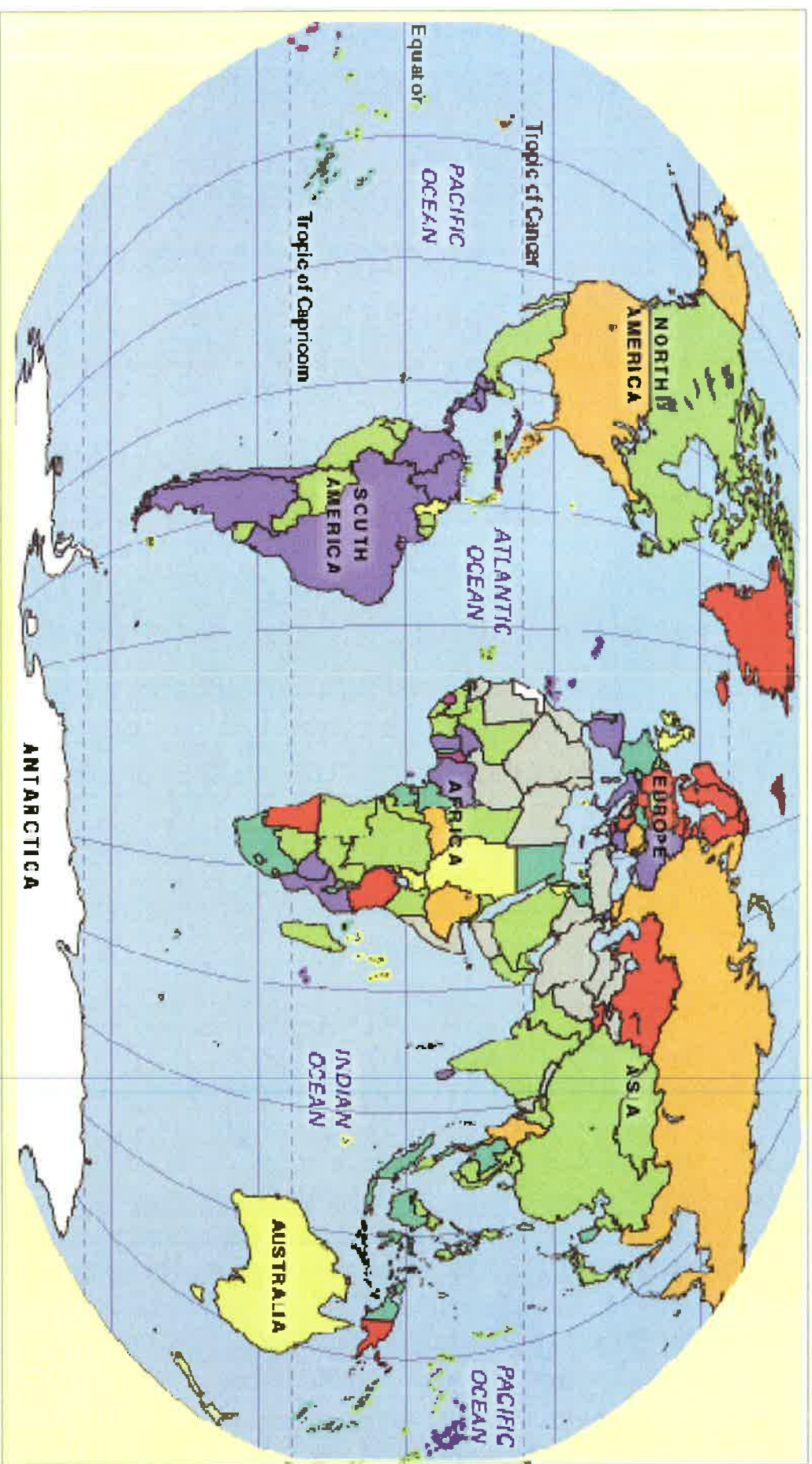
Name _____

Write the name of the city closest to the intersection of latitude and longitude coordinates.



| Latitude | Longitude | City |
|----------|-----------|------|
| 35 ° N | 130 ° E | |
| 30 ° N | 120 ° E | |
| 25 ° N | 115 ° E | |

Map of the World



Map of the United States

