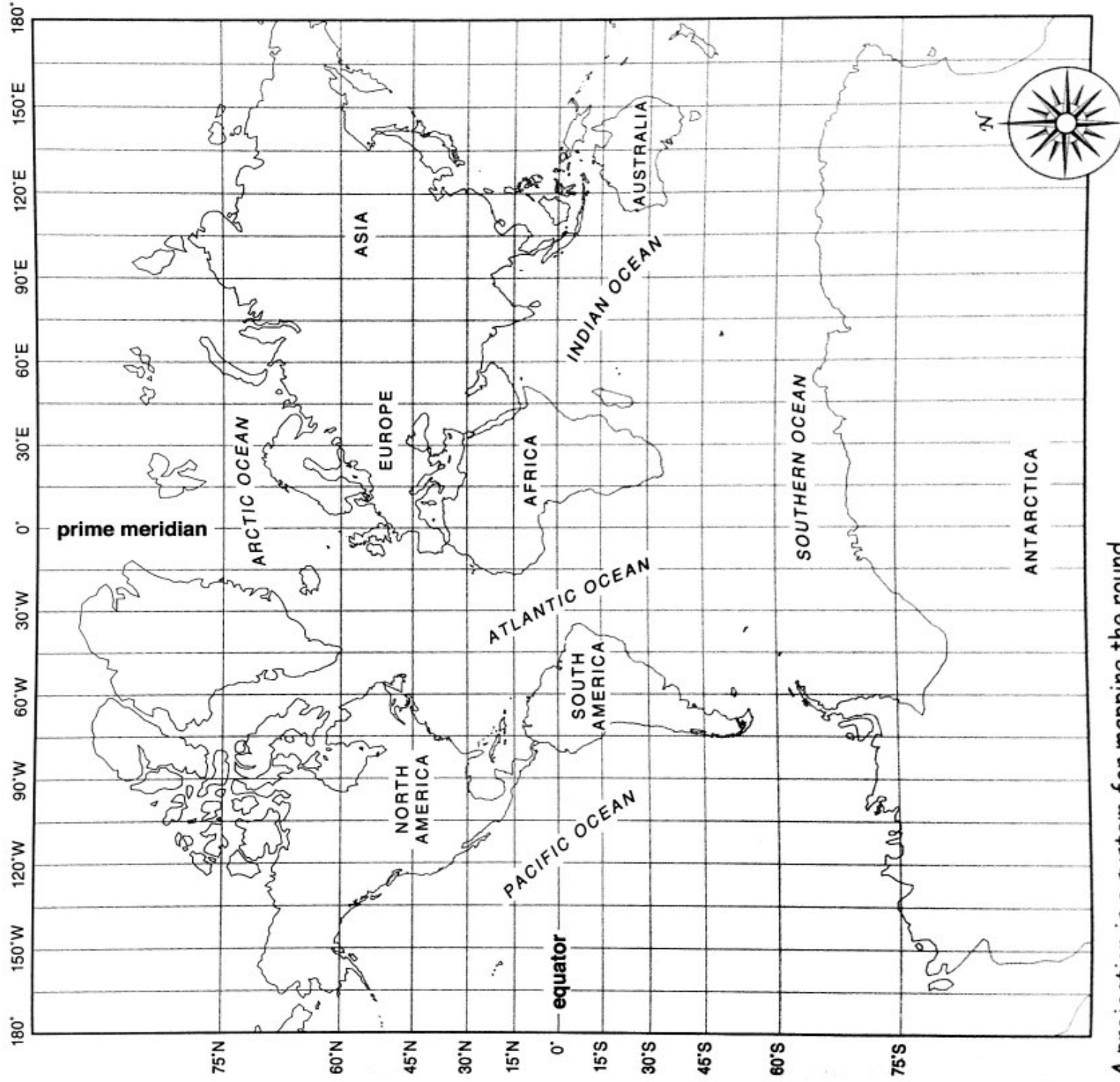


# A Mercator Projection Map

## The World



A projection is a system for mapping the round Earth on a flat surface. The Mercator projection map shows the accurate locations of the continents and oceans. The land and water areas, however, are greatly distorted toward the North and South Poles.

The United States is located in these two hemispheres:

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## A Mercator Projection Map

### Monday

1. What is a projection?

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2. Does the Mercator projection show the size, shape, or the location of the continents more accurately on a map?

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### Tuesday

1. Do the land areas around the North and South Poles appear smaller or larger in size than they really are?

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2. Which continent appears much wider than it really is compared to the other continents?

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### Wednesday

1. Which continent includes the coordinates of  $15^{\circ}\text{S}$  latitude,  $60^{\circ}\text{W}$  longitude?

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2. Estimate the coordinates for the southern tip of Africa.

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Name \_\_\_\_\_



# A Mercator Projection Map

## Thursday

1. Name all the labeled land and water areas that intersect with the prime meridian.

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2. Name all the labeled land and water areas that intersect with the equator.

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## Friday

1. Which state in the United States is located at  $150^{\circ}\text{W}$  longitude?

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2. Name a country that is located at  $135^{\circ}\text{E}$  longitude.

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## Challenge

On the map, color the equator line red and the prime meridian line blue. The equator divides the world into Northern and Southern Hemispheres. The prime meridian helps to divide the world into Eastern and Western Hemispheres. At the bottom of the page, write in which two hemispheres the United States is located.