

GEOGRAPHY OVERVIEW

Hemispheres & Coordinating Lines

15pts

Name: _____

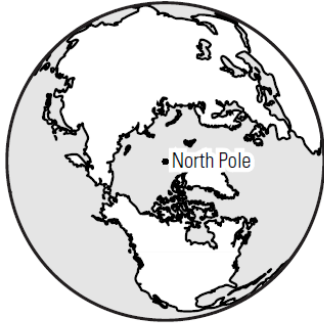
Period: _____

The study of the earth does not always involve the entire planet at once. Mapmakers often deal with large sections of the earth called hemispheres.

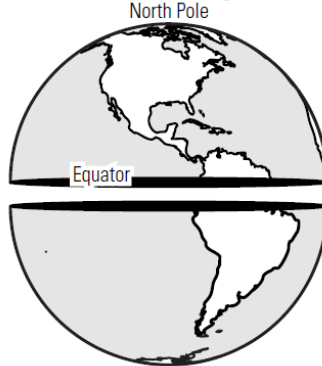
The word *hemisphere* combines *sphere*—meaning anything round, like a ball—with the prefix *hemi*—meaning “half.” The world can be divid-

ed into any of four hemispheres—Northern, Southern, Western, and Eastern. They are illustrated below by both bird’s-eye and profile views. Hemispheres are further dramatized by the cutting of the globe horizontally and vertically. Study the globes below.

Northern Hemisphere



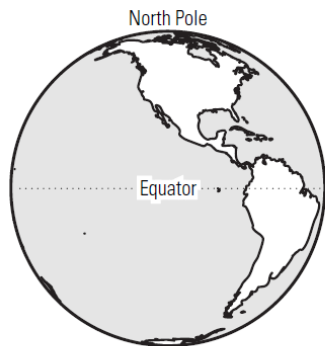
Northern Hemisphere



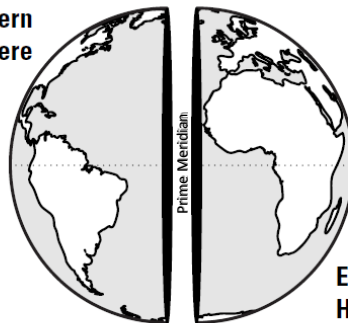
Southern Hemisphere



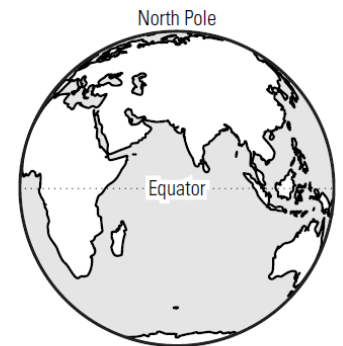
Southern Hemisphere



Western Hemisphere



Eastern Hemisphere



Eastern Hemisphere

1. Why do you think the word *hemisphere* accurately describes the six globes shown above?

2. The vertically cut globe creates what two hemispheres? _____
3. Name the continents found all or mostly in the Northern Hemisphere. _____
4. Look at the globes for the northern and southern hemispheres. What is the main difference between the North & South poles?

5. What line divides northern and southern hemispheres? _____
6. What line divides eastern and western hemispheres? _____

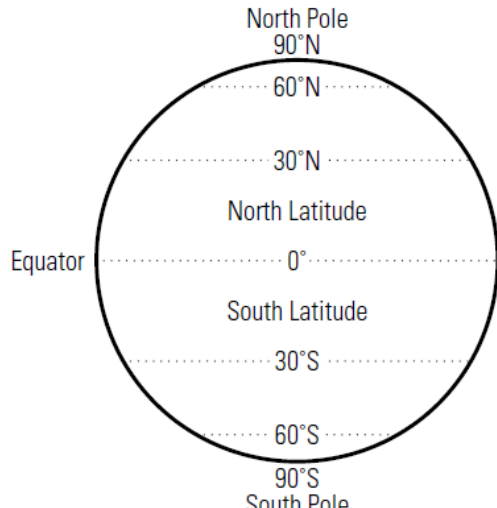
Most maps contain imaginary horizontal and vertical lines of measurement. Horizontal lines, running east and west, are called latitude lines or parallels. Vertical lines, running north and south, are called longitude lines or meridians. The lines are numbered in degrees (shown by the symbol $^{\circ}$).

Latitude starts at 0° , known as the equator, where the earth is at its widest. There are 90

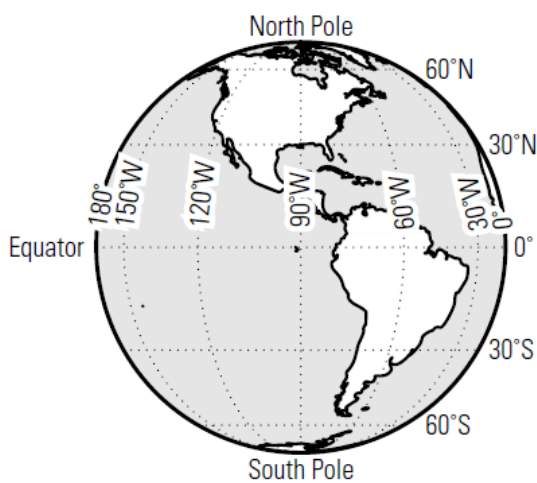
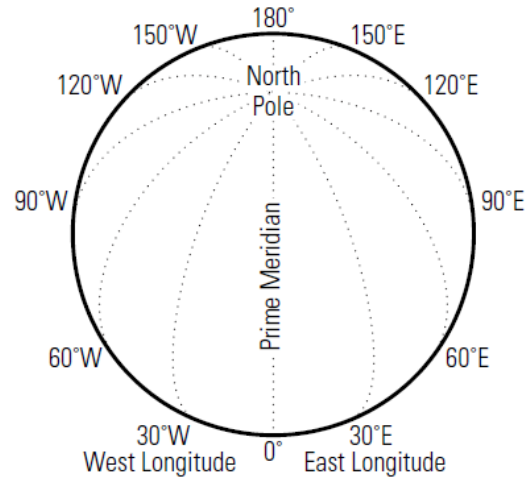
degrees north of the equator and 90 degrees south of it. Longitude starts at 0° , the Prime Meridian, and goes 180 degrees west and 180 degrees east.

Because latitude and longitude cross and form a grid, the use of these lines to locate places is called the grid system. Every place in the world has a single grid location—where its latitude and longitude intersect. Study the maps below.

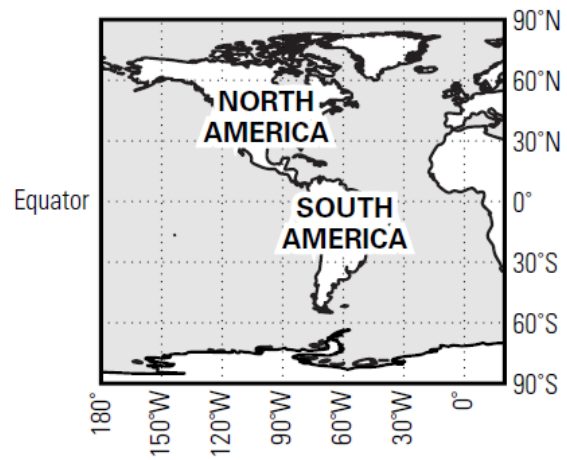
Latitude Lines (Parallels)



Longitude Lines (Meridians)



Latitude and Longitude Grid



North and South America

1. How many degrees separate the North Pole from the South Pole? _____
2. Between about what longitude and latitude degrees does most of the connected United States fall?

3. An airplane lost from radar at 5°S and 55°W was over which continent? _____
4. Mark the map titled "North and South America" at the approximate point where a ship in distress at 45°S and 5°E might be found.