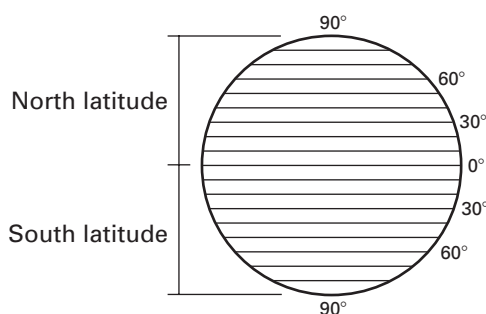NAME _____ DATE _____

Interdisciplinary Application

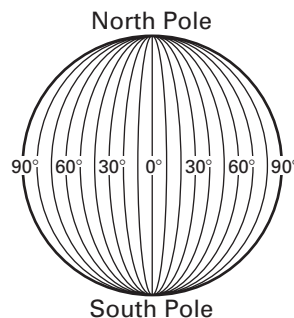**For use with pages 10–16**

Latitude and Longitude

GEOGRAPHY   In Geography class, you learn that Charleston, West Virginia and Savannah, Georgia are on the same imaginary vertical line, a line that extends from the North Pole to the South Pole called a longitude. Earth is divided into a grid using longitude lines and latitude lines (see the diagrams below). Latitudes are lines that circle the earth and are parallel to the equator. Latitude is measured in degrees north or south of the equator. The longitude line that runs through Greenwich, England is the 0° longitude line, or prime meridian. Longitude is measured in degrees east or west of the prime meridian.

Latitude

Longitude

In Exercises 1–4, use the following table.

1. Using the table, locate other cities in the United States that are collinear with (on the same longitude as) Charleston, West Virginia and Savannah, Georgia.

2. Since longitude lines go from the top of Earth to the bottom and latitude lines go around, they intersect. More accurate locations for cities are given when they are pinpointed near an intersection of latitude and longitude. Find a city that is at the intersection point of 34° latitude and 118° longitude.

3. The capital of the United States is located at what intersection point of latitude and longitude?

4. If you left Los Angeles, California and hiked across country without veering off your latitude, in what state would you be when you arrived on the East Coast?

City	*Latitude (in degrees)*	*Longitude (in degrees)*
Albany, N.Y.	42	73
Anchorage, AK	61	149
Carlsbad, NM	32	104
Charleston, SC	32	79
Charleston, WV	38	81
Cleveland, OH	41	81
Columbia, SC	34	81
Fort Worth, TX	32	97
Jacksonville, FL	30	81
Key West, FL	24	81
Los Angeles, CA	34	118
New York City, NY	40	73
Philadelphia, PA	39	75
San Francisco, CA	37	122
Savannah, GA	32	81
St. Louis, MO	38	90
Virginia Beach, VA	36	75
Washington, D.C.	38	77