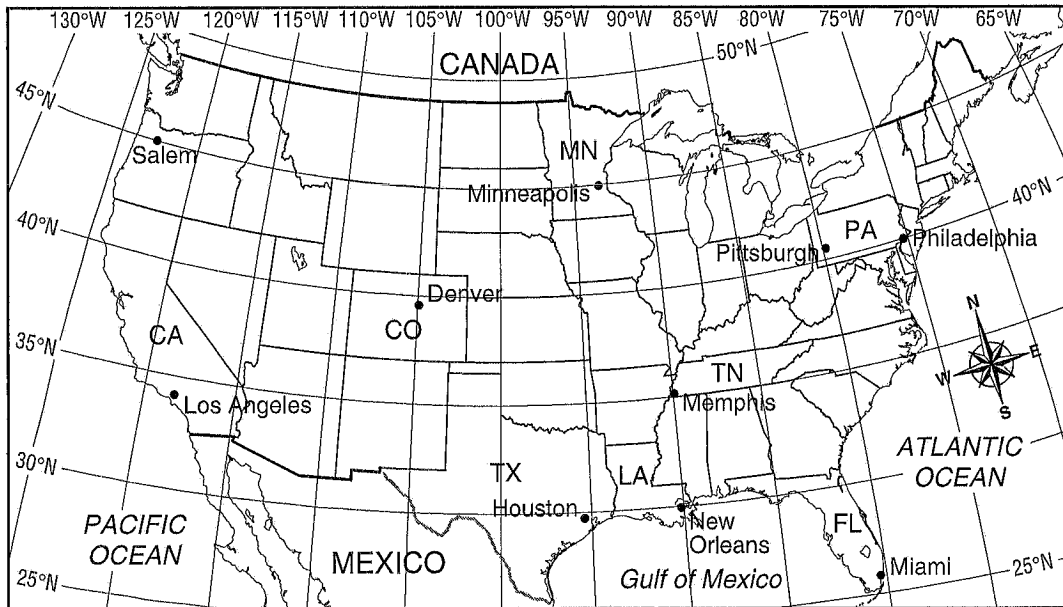




# Latitude and Longitude

There are imaginary lines that circle the Earth. Some lines circle the Earth from the north to south. These are called **lines of longitude**. Some lines circle the Earth from east to west. These are called **lines of latitude**. Both kinds of lines are numbered in marked degrees. By using lines of longitude and latitude, you can find any place on Earth.



**Directions** Use the map of the United States. Answer the questions.

1. What city is located approximately at 35°N and 90°W?

\_\_\_\_\_

2. What city is located approximately at 25°N and 80°W?

\_\_\_\_\_

3. What is the latitude and longitude of Philadelphia?

\_\_\_\_\_

4. Between which lines of latitude is the continental United States located?

\_\_\_\_\_

5. Between which lines of longitude is the continental United States located?

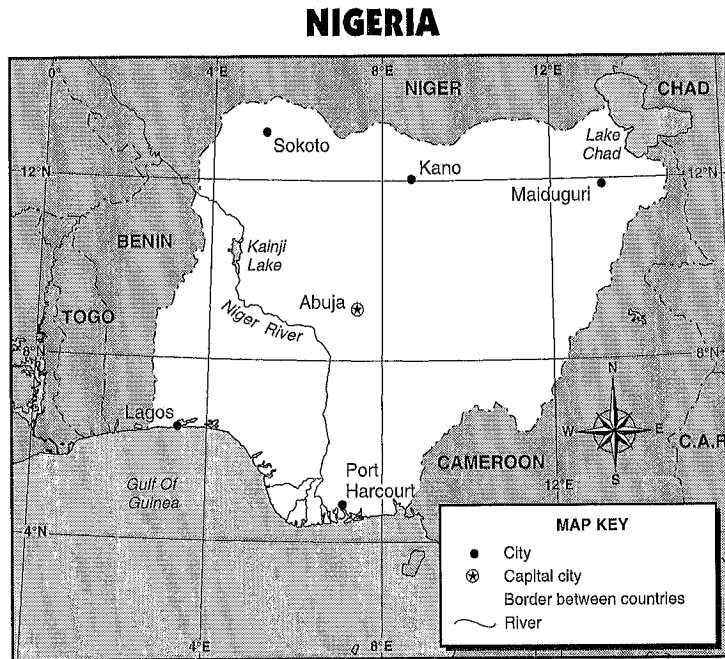
\_\_\_\_\_

# Latitude and Longitude

You have learned that lines of latitude run east and west around the Earth. Lines of longitude run north and south. Together, the lines of latitude and longitude form a grid on maps and globes. By using lines of latitude and longitude, you can find any place on Earth.

Look at the map of Nigeria. Kano and Maiduguri are both near  $12^{\circ}$  N latitude. Of course, they are not in the same place. By adding the longitude of each place, you can show exactly where it is. The latitude of a

place is written first. The longitude is written next to it. Look at Kano. We can say that Kano is near  $12^{\circ}$  N,  $9^{\circ}$  E.



## Directions

Darken the circle by the correct answer to each question.

- What city is the national capital of Nigeria?
  - Sokoto
  - Abuja
  - Kano
  - Port Harcourt
- Which city in Nigeria is located nearest to  $4^{\circ}$  N?
  - Sokoto
  - Abuja
  - Lagos
  - Port Harcourt
- Which city has a latitude and longitude of about  $6^{\circ}$  N,  $3^{\circ}$  E?
  - Maiduguri
  - Sokoto
  - Lagos
  - Port Harcourt
- The latitude and longitude of Abuja is about \_\_\_\_\_.
  - $9^{\circ}$  N,  $9^{\circ}$  E
  - $9^{\circ}$  N,  $7^{\circ}$  E
  - $12^{\circ}$  N,  $8^{\circ}$  E
  - $5^{\circ}$  N,  $7^{\circ}$  E



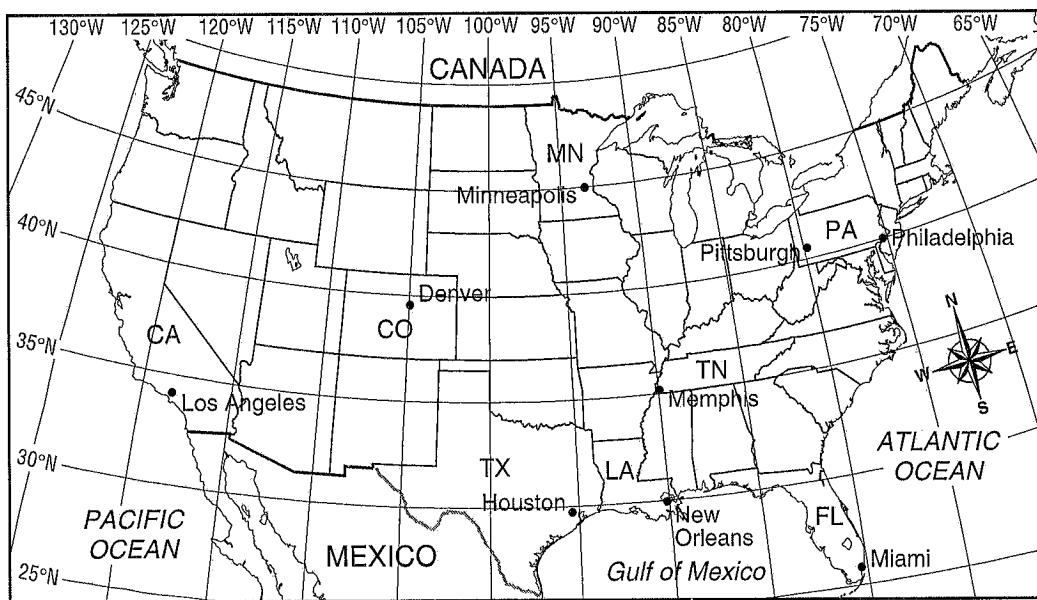
## Activity

Find where you live on a map of the United States or of your state. If you cannot find your town, find a city near it. Find the lines of latitude and longitude near where you live. Write them down.



# Latitude and Longitude

There are imaginary lines that circle the Earth. Some lines circle the Earth from east to west. These are called **lines of latitude**. Some lines circle the Earth from north to south. These are called **lines of longitude**. Both kinds of lines are numbered in marked degrees. By using lines of longitude and latitude, you can find any place on Earth.



**Directions** Use the map to answer the questions.

1. What city is located at 40° N and 75° W? \_\_\_\_\_
2. What two cities are located at 90° W longitude? \_\_\_\_\_  
\_\_\_\_\_
3. What city is at the same longitude as Miami? \_\_\_\_\_
4. Draw a mountain beside the city located at 40° N and 105° W.