

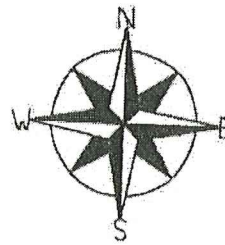
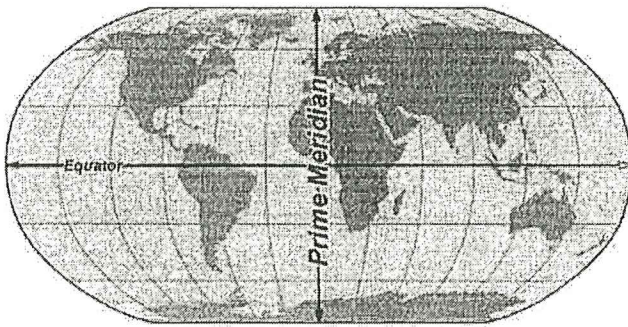
Coollest Kid in the World: \_\_\_\_\_

# LONGITUDE AND LATITUDE

(Finding exact locations on earth)

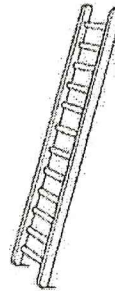
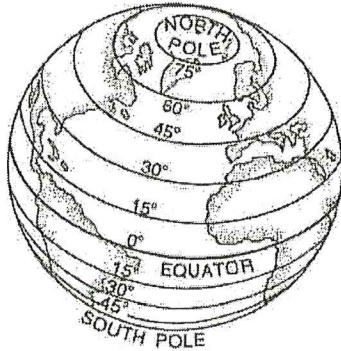
**Longitude:** Lines that run North and South (also known as *Meridians*)

Show distances in degrees East or West of the *Prime Meridian*.



**Latitude:** Lines that run East and West (also known as *Parallels*)

Show distances in degrees North and South of the *Equator*



\* Think of these lines as a ladder. You have to climb up to go North, and you have to climb down to go South.

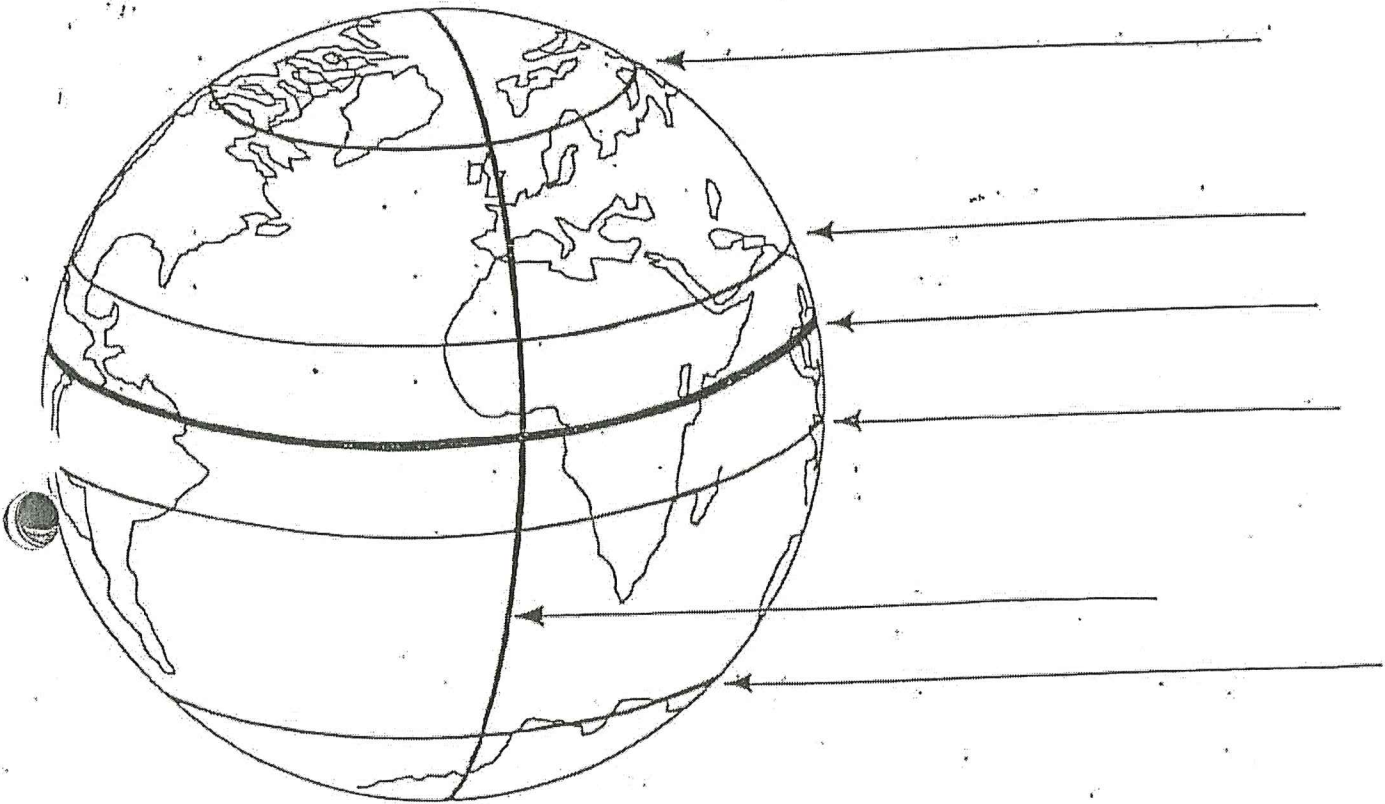
\*When finding the location of a particular point on Earth, we find the latitude first, and then the longitude. (**Latitude, Longitude**) (**40°N, 75°W**)



# What's My Line?

Name \_\_\_\_\_

There are several important lines of latitude on the globe which have special names. Use a map, globe, or other resource to identify the special lines on the illustration of the globe below.



Name the imaginary line that ...

passes through Mexico. \_\_\_\_\_

is 0° latitude. \_\_\_\_\_

passes through Alaska. \_\_\_\_\_

is 0° longitude. \_\_\_\_\_

divides the Northern and Southern hemispheres. \_\_\_\_\_

passes through Botswana. \_\_\_\_\_



Location \_\_\_\_\_

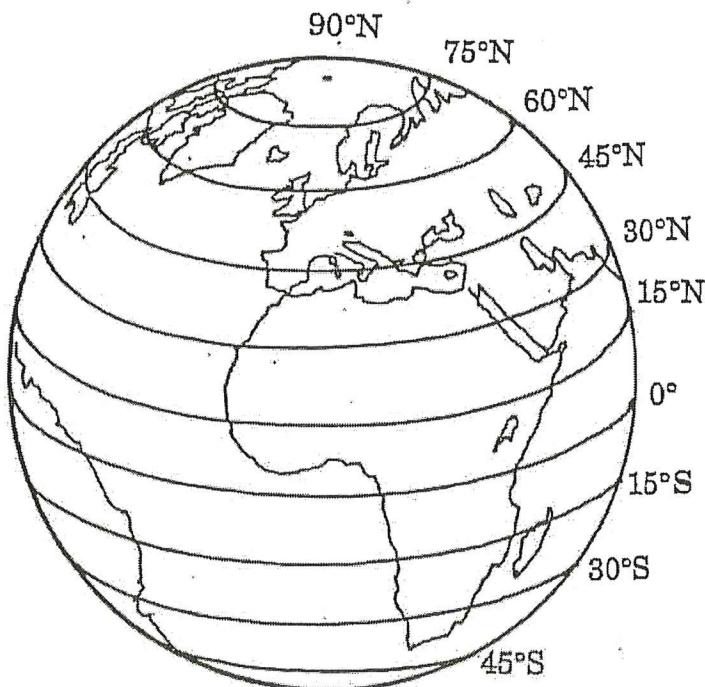
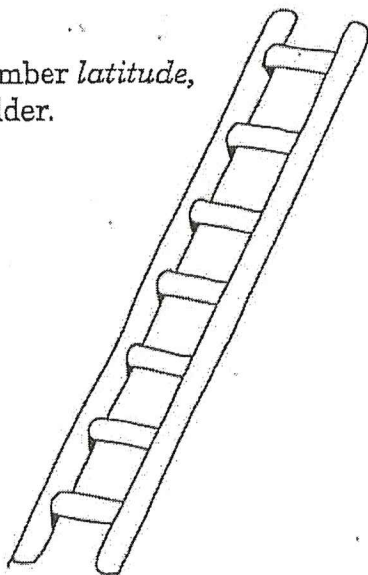
# Lines of Latitude

Name \_\_\_\_\_

The lines on a globe help you find where places are located. The lines that go around the globe from east to west are called **lines of latitude**, or **parallels**. The lines of latitude tell you how far north or south of the **equator** ( $0^\circ$ ) you are.

All lines of latitude are measured from the equator in degrees. Everything north of the equator is labeled **N** for **north**, and everything south of the equator is **S** for **south**.

To help remember *latitude*, think of a ladder.



Use a globe or map to find the latitude for each of the following cities. Remember to indicate both the number of degrees and whether it is north or south of the equator.

- |                                 |                                      |
|---------------------------------|--------------------------------------|
| 1. Baghdad, Iraq _____          | 9. Reykjavik, Iceland _____          |
| 2. Madrid, Spain _____          | 10. Mexico City, Mexico _____        |
| 3. LaPaz, Bolivia _____         | 11. Lisbon, Portugal _____           |
| 4. San Jose, Costa Rica _____   | 12. Frankfurt, Germany _____         |
| 5. Quito, Ecuador _____         | 13. Johannesburg, South Africa _____ |
| 6. Sydney, Australia _____      | 14. Athens, Greece _____             |
| 7. Oslo, Norway _____           | 15. Helsinki, Finland _____          |
| 8. Prague, Czech Republic _____ | 16. Karachi, Pakistan _____          |

# Lines of Longitude

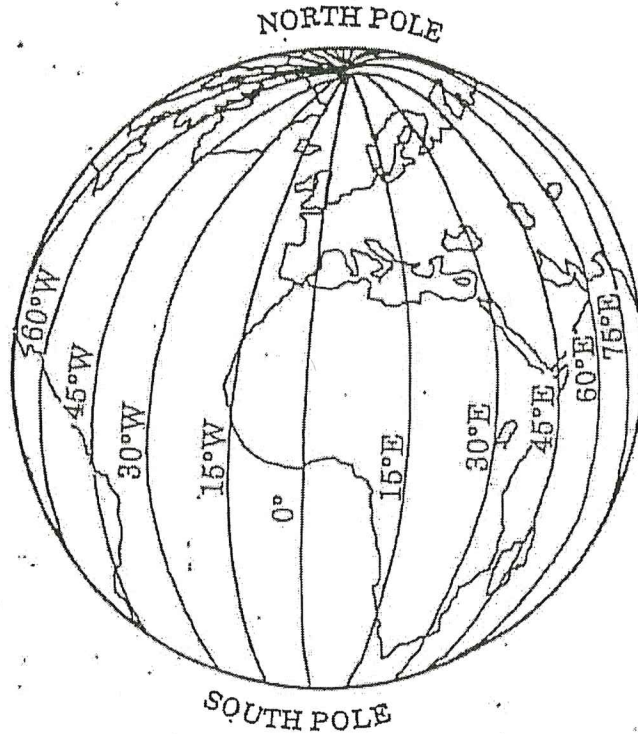
Location



Name \_\_\_\_\_

The lines on a globe help you find where places are located. The lines that go from the North Pole to the South Pole are called lines of longitude, or meridians. The degrees of longitude tell how far east or west of the prime meridian you are.

Lines of longitude are measured from the prime meridian in degrees. Everything west of the prime meridian is labeled W for west, and everything east of the prime meridian is labeled E for east.



Use a globe or map to find the longitude for each of the following cities. Remember to indicate the number of degrees and whether it is east or west of the prime meridian.

Los Angeles, U.S.A. \_\_\_\_\_

London, United Kingdom \_\_\_\_\_

Wellington, New Zealand \_\_\_\_\_

Tokyo, Japan \_\_\_\_\_

Bangkok, Thailand \_\_\_\_\_

Santiago, Chile \_\_\_\_\_

Nairobi, Kenya \_\_\_\_\_

Tehran, Iran \_\_\_\_\_

9. Paris, France \_\_\_\_\_

10. Glasgow, United Kingdom \_\_\_\_\_

11. Rome, Italy \_\_\_\_\_

12. Buenos Aires, Argentina \_\_\_\_\_

13. Anchorage, Alaska \_\_\_\_\_

14. Calcutta, India \_\_\_\_\_

15. Cairo, Egypt \_\_\_\_\_

16. Shanghai, China \_\_\_\_\_

Name: \_\_\_\_\_

# LATITUDE AND LONGITUDE

*(Finding exact locations on earth)*

Use an atlas to find the latitude and longitude for the following U.S. cities:

Remember (**Latitude, Longitude**)

- Cleveland, OH \_\_\_\_\_
- New York, NY \_\_\_\_\_
- Boston, MA \_\_\_\_\_
- Portland, OR \_\_\_\_\_
- Salt Lake City, UT \_\_\_\_\_

What are the names of the U.S. Cities located at the following points:

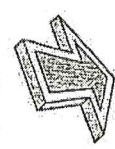
- (26°N, 81°W) \_\_\_\_\_
- (30°N, 90°W) \_\_\_\_\_
- (47°N, 123°W) \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

# LATITUDE AND LONGITUDE



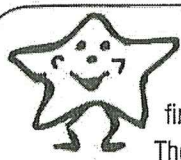
## Activity

Use the World Political Map to answer these questions.

- The 0° line of latitude is the starting place for measuring latitude. What is the name of that line? \_\_\_\_\_
- Find the 0° line of longitude. This is called the Prime Meridian. Name several countries that it crosses. \_\_\_\_\_
- If you took a journey along 45° south latitude, how many countries would you cross? \_\_\_\_\_ Name the countries. \_\_\_\_\_
- Identify the latitude and longitude of Ottawa, Ontario, in Canada. \_\_\_\_\_
- Match each of the following cities with its location. In the second list, latitude is shown first, then longitude.
 

_____ a. Bombay, India	(1) 34°S, 18°E
_____ b. Sydney, Australia	(2) 23°S, 43°W
_____ c. London, England	(3) 34°S, 151°E
_____ d. Cape Town, South Africa	(4) 19°N, 72°E
_____ e. Rio de Janeiro, Brazil	(5) 51°N, 0°
- You are traveling between two cities in the United States. One is located at 21°N, 158°W; the other is located at 61°N, 150°W. Due to a strike, all airline flights are canceled. What other form of transportation could you use? \_\_\_\_\_
- Some special lines of latitude are shown as dashed lines on the map. Identify each of the following latitudes: about 23° north latitude \_\_\_\_\_  
about 23° south latitude \_\_\_\_\_

Look at the World Climate Map How are these lines of latitude related to hot climates? \_\_\_\_\_



### FOR FUN!

An alien invasion is scheduled for sometime next week. But the experts cannot crack the code to find out the day and time. Help them out. Use any map in your Atlas to locate the following places. The first letter of each place name will tell you when to expect the invasion.

- |                     |                      |                     |
|---------------------|----------------------|---------------------|
| a. 40°N, 30°E _____ | e. 25°N, 105°W _____ | i. 57°N, 10°E _____ |
| b. 30°N, 30°E _____ | f. 45°N, 105°E _____ | j. 75°S, 0° _____   |
| c. 20°S, 15°E _____ | g. 20°N, 55°E _____  | k. 15°N, 45°E _____ |
| d. 30°S, 60°W _____ | h. 12°N, 85°W _____  |                     |