

# Mapping & Charting

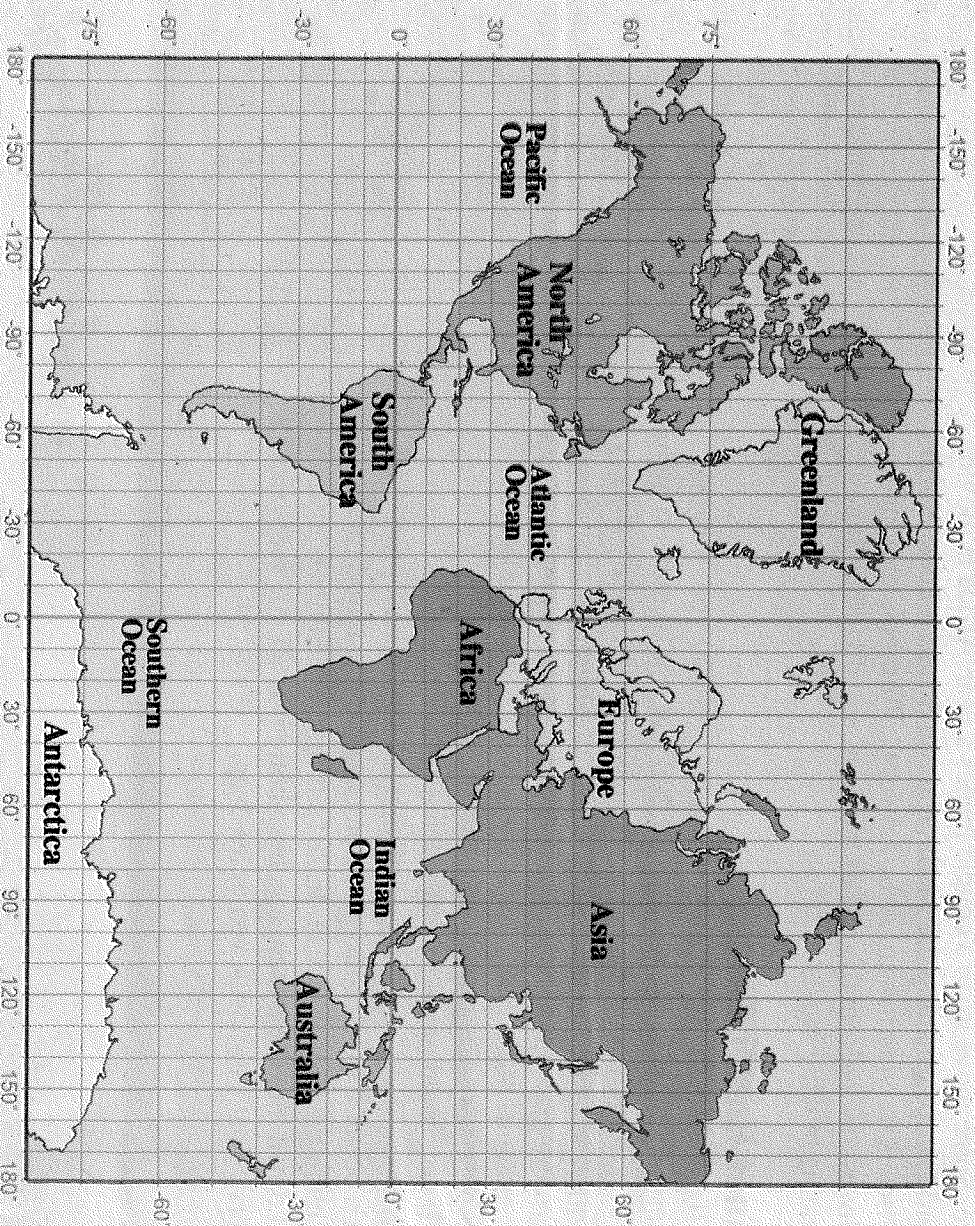
Name: \_\_\_\_\_  
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Due Oct. 2 \_\_\_\_\_

## Latitude and Longitude

Latitude and longitude were created to help find locations on Earth. Lines of latitude run east and west, while lines of longitude run north and south. Of course, there really aren't lines running across the continents or oceans. They're only on maps and globes to help people find absolute, or exact, locations.

The line at  $0^{\circ}$  latitude divides the Earth into two halves, or hemispheres, horizontally. This line is the equator. The Northern Hemisphere includes everything north of the equator, and the Southern Hemisphere includes everything to the south. The equator crosses parts of South America, Asia and Africa.

The line at  $0^{\circ}$  longitude cuts the Earth into two hemispheres vertically. This line is the prime meridian. Everything east of the prime meridian is in the Eastern Hemisphere, and everything west of the prime meridian is in the Western Hemisphere. The prime meridian crosses parts of Great Britain, France, Spain, Africa and Antarctica.



Look at the map of the world. On which continent or body of water would you be if you were at these coordinates?

A.  $45^{\circ}$  N Latitude,  $90^{\circ}$  W Longitude

- B.  $30^{\circ}$  S Latitude,  $150^{\circ}$  E Longitude
- C.  $0^{\circ}$  Latitude,  $30^{\circ}$  E Longitude
- D.  $15^{\circ}$  S Latitude,  $90^{\circ}$  E Longitude
- E.  $30^{\circ}$  N Latitude,  $30^{\circ}$  W Longitude
- F.  $75^{\circ}$  N Latitude,  $45^{\circ}$  W Longitude