

# Grid Systems 网格系统

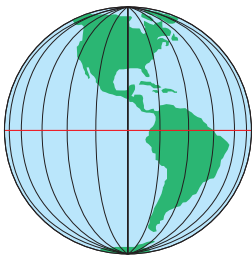
Every map or globe uses a grid system so that various locations can be located easily. A simple grid is made of vertical and horizontal lines. Look at the Grid system below. There are vertical columns and horizontal rows. The location “C3” is in the middle of the grid. It is in Column “C” row “3”.

所有的地图和地球仪都使用网格系统以更容易定位。一个简易的网格是由水平线和垂直线组成的。请看下例，由横栏和纵列组成，“C3”位于整个网状正中间，位置是“C”栏第“3”列。

	1	2	3	4	5	
A						A
B						B
C			C3			C
D						D
E						E
	1	2	3	4	5	

A grid system on a map is very similar to the example just above. Imaginary lines divide the globe into a grid. These lines are called lines of **Latitude**, and lines of **Longitude**.

地图上的网格系统跟上例是非常相像的，我们假想出一些线将整个地球分隔成一个网，这些线就是**纬线**和**经线**。

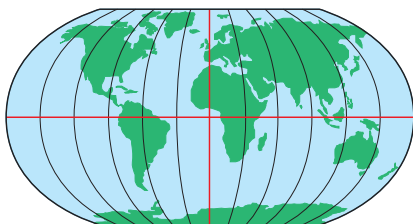


Globe

地球仪

A spherical representation of the earth with a map printed on the surface.

表面覆有地图的一个球形  
体



Map

地图

A two-dimensional representation of the positions of land masses and oceans.

表示陆地和海洋的一个二  
维图

# Grid Systems 网格系统

**Latitude:** Horizontal lines on a globe or map that measure how far North or South a location is. The equator ( $0^{\circ}$ ) is located horizontally along the middle of a globe. Measurements are made in either direction towards the North Pole ( $90^{\circ}$  N) or towards the South Pole ( $90^{\circ}$  S).

**纬线:** 地球仪上或地图上用来测量向北或向南位置的水平线。赤道线位于中部，纬度测量是向北极 ( $90^{\circ}$  N) 或向南极 ( $90^{\circ}$  S) 多少度。

**Parallel:** A synonym for Latitude.

**平行线:** 纬线的别称

**Equator:** The Equator is located at  $0^{\circ}$  latitude

**赤道:** 位于  $0^{\circ}$  纬线

**Longitude:** Vertical Lines on a globe that measure how far East or West a location is. The Prime Meridian ( $0^{\circ}$ ) is a vertically line of Longitude that passes through England. The International Date Line ( $180^{\circ}$ ) is on the opposite side of the world and is located in the middle of the Pacific Ocean.

**经线:** 地球仪上连接南北两极并同纬线垂直相交线，也称子午线。本初子午线( $0^{\circ}$ )是穿过英国的一条垂直经线。国际日期变更线 ( $180^{\circ}$ )位于地球的另一端，横穿太平洋中部。

**Meridian:** A synonym for Longitude

**子午线:** 经线的别称

**Prime Meridian:** The Meridian that passes through Greenwich, England. The Prime Meridian is the chosen location to indicate ( $0^{\circ}$ ), all other Meridians are measured East or West of the Prime Meridian.

**本初子午线:** 穿过英国格林尼治的子午线。本初子午线为  $0^{\circ}$ ，其他子午线沿着本初子午线向东或向西依次延伸。

**International Date Line:** A Meridian that is located in the middle of the Pacific Ocean.

**国际日期变更线:** 位于太平洋中部的子午线。

# Grid Systems 网格系统

There are several very important lines of Longitude and lines of Latitude that are indicated on every world map.

在所有的世界地图上都会标注出以下这些重要的线。

## Important lines of Latitude (Parallels) 重要的纬线 (平行线)

1. The North Pole, Located at 90° North  
北极, 位于北纬 90°
2. Arctic Circle, located at 66.5° North  
北极圈, 位于北纬 66.5°
3. Tropic of Cancer, Located at 23.5° North  
北回归线, 位于北纬 23.5°
4. Equator, Located at 0°  
赤道, 位于 0°
5. Tropic of Capricorn, located at 23.5° South  
南回归线, 位于南纬 23.5°
6. Antarctic Circle, located at 66.5° South  
南极圈, 位于南纬 66.5°
7. The South Pole, Located at 90° South  
南极, 位于南纬 90°

## Important Lines of Longitude (Meridian) 重要的经线 (子午线)

1. Prime Meridian, Located at 0°  
本初子午线, 位于 0°
2. International Dateline, located at 180°  
国际日期变更线, 位于 180°

