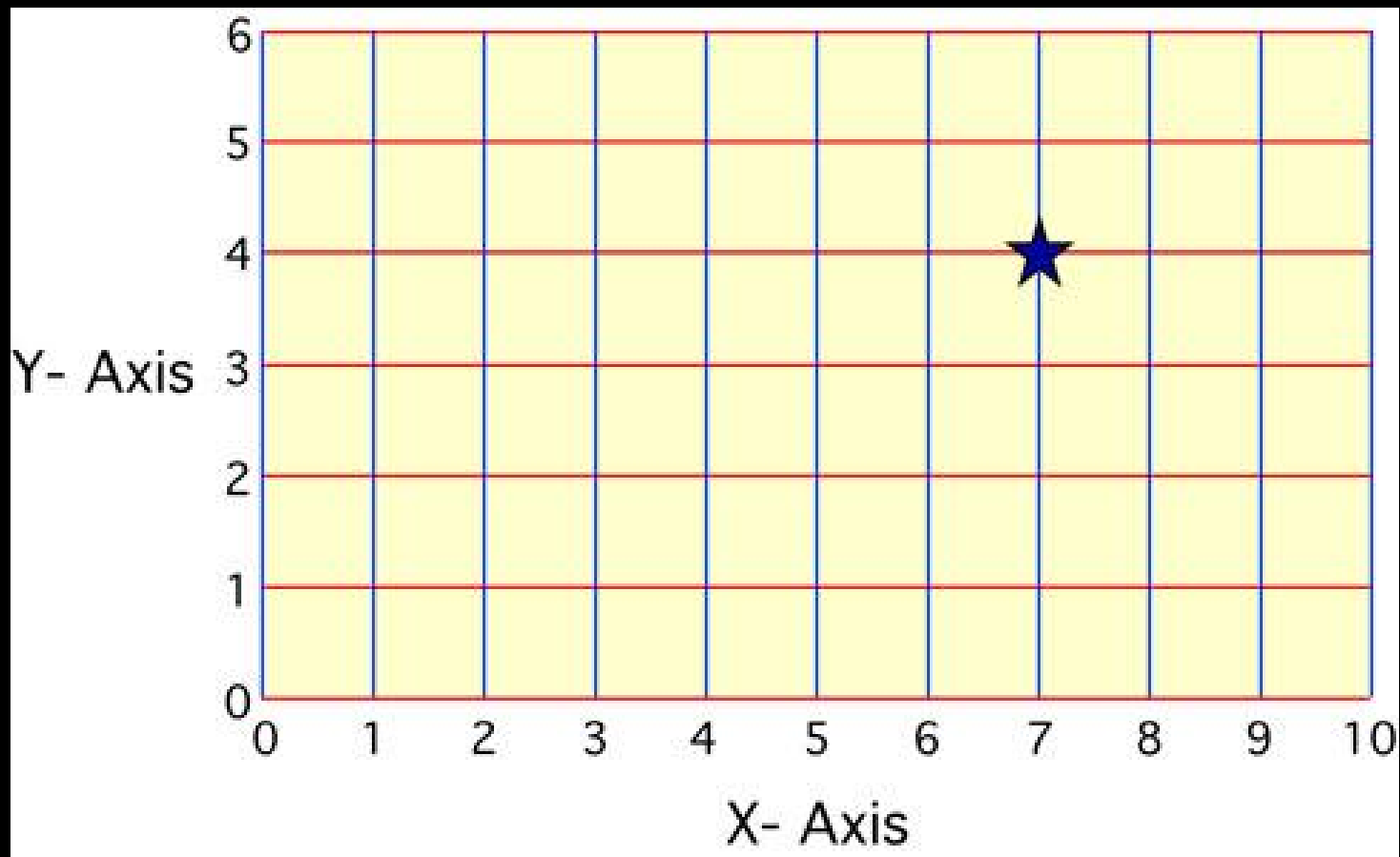


Latitude and Longitude

Coordinate system- a system of intersecting lines used to determine locations on the Earth's surface



Latitude

- **Latitude:** Measures distance North and South of the Equator
- **Parallels:** imaginary lines that run E to W
- **Latitude of the Equator = 0°**
- Imaginary line; divides Earth into N and S hemispheres
- **Latitude of the North and South Poles = 90° N or S**

Tropics of Cancer and Capricorn

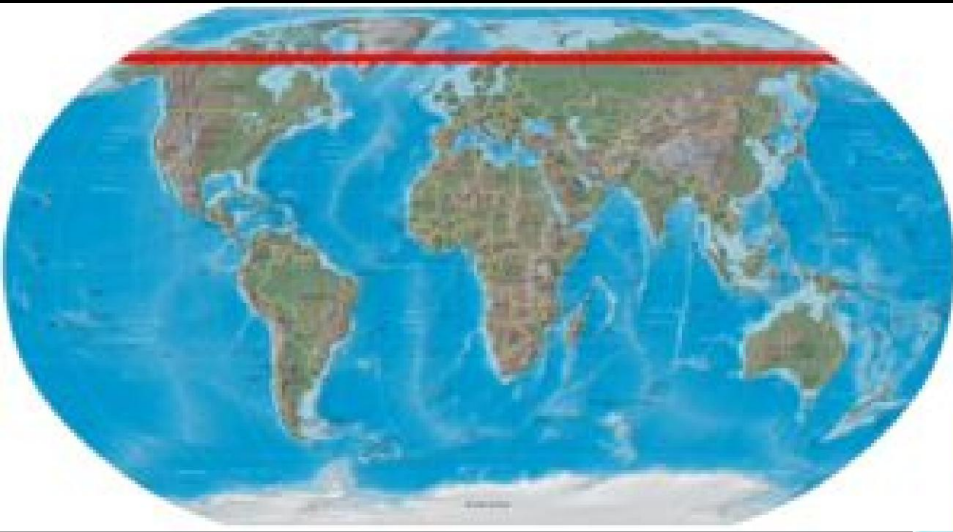
- Tropic of Cancer: 23.5°N
- Tropic of Capricorn: 23.5°S
- Furthest north or south you can be for the sun to be directly overhead at sometime in the year

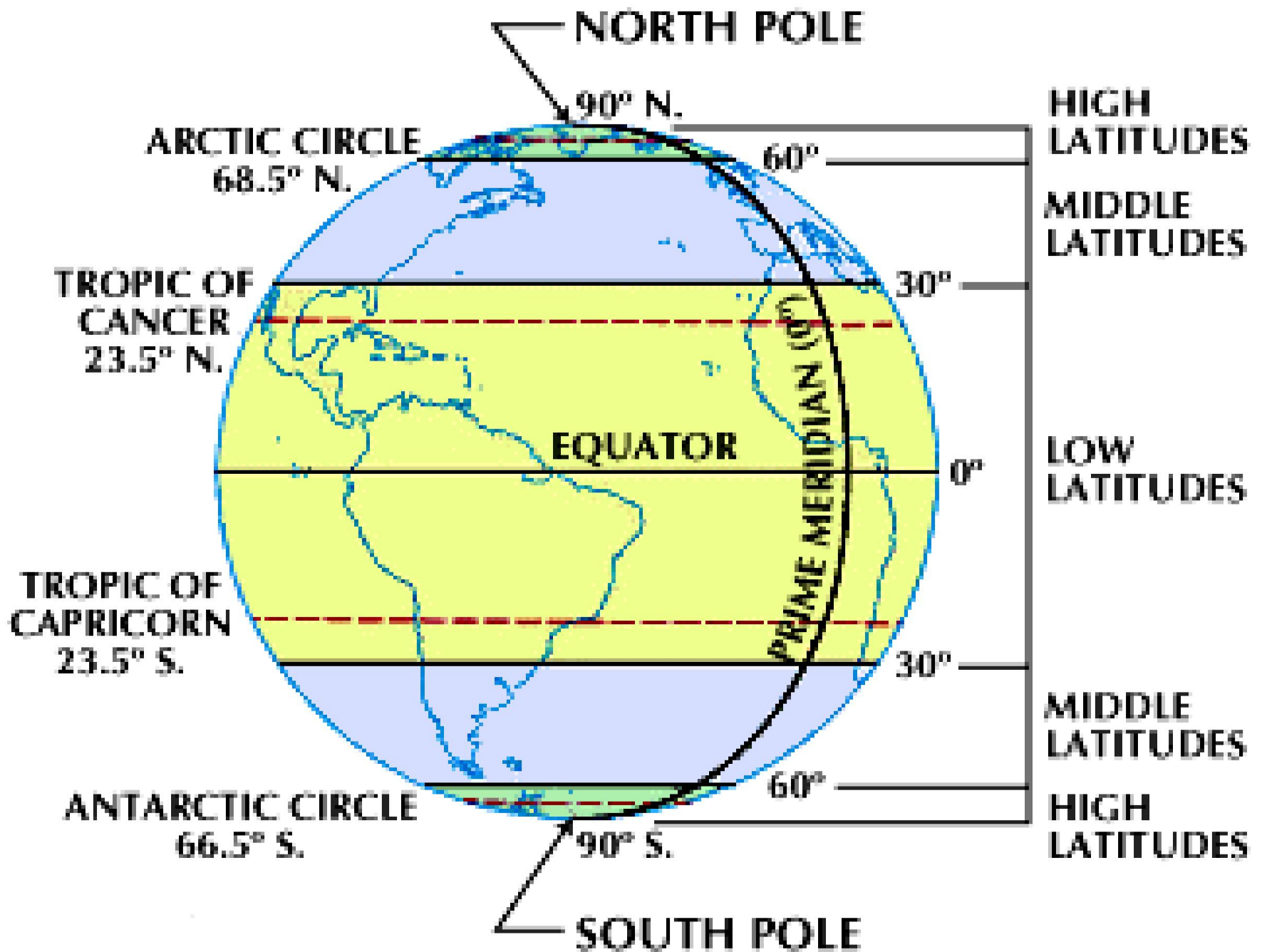




Arctic and Antarctic Circles

- 60° N and S of equator





Longitude

- **Longitude:** Measures distance in degrees east and west of the Prime Meridian.
- **Meridians:** lines of longitude; imaginary lines that run N to S, but measure distances E and W of the Prime Meridian
- Not parallel; intersect at poles
- **Prime Meridian** --> 0° (Greenwich, England) reference line

