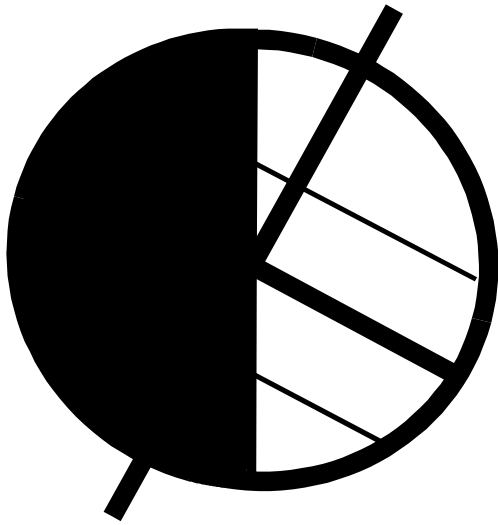


# Topic: Earth Motions

**Aim:** How do the direct rays of the Sun change position during the year?



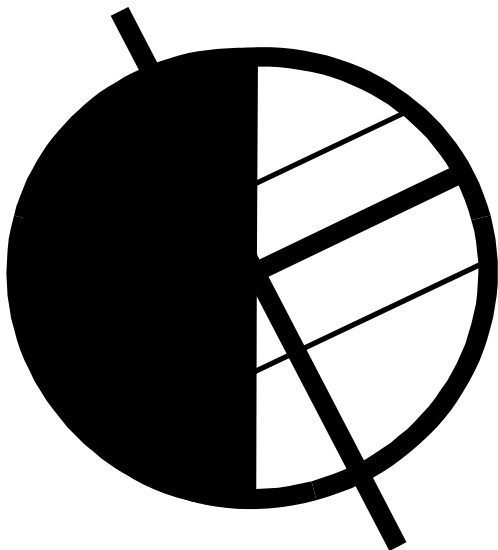
Sun will be directly overhead at the ...

Tropic of Cancer

$23 \frac{1}{2}^{\circ}\text{N}$

Date

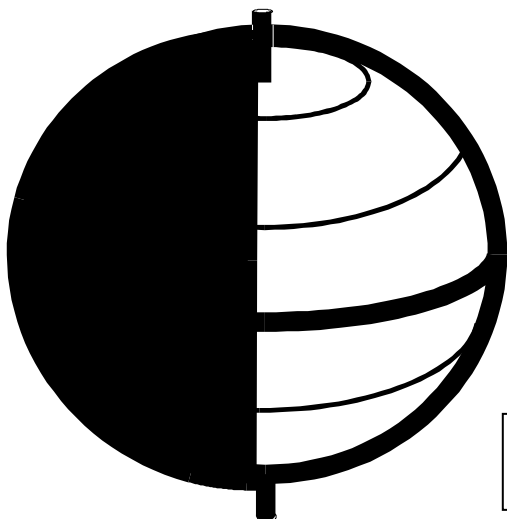
JUNE 21



Tropic of Capricorn

$23 \frac{1}{2}^{\circ}\text{S}$

DEC. 21



Equator

$0^{\circ}$

MAR. 21  
or  
SEPT. 23  
(Equinoxes)

Remember: *ESRT* page 4 now has the important lines of latitude labeled for you