

Uneven heating drives vertical & horizontal movements of air.

Solar Radiation

Subsolar point

Energy Flow per Unit Area (W/m²)

1500
1000
500

30° 60° 90°

Angle from Vertical (θ)

**Draw
The
Graph**

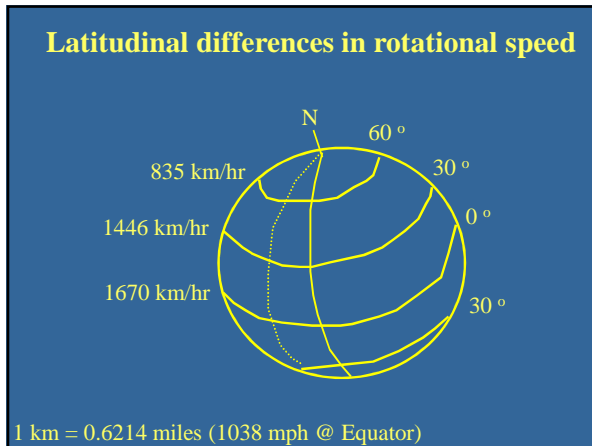
Consider two columns of air, one warming and the other cooling

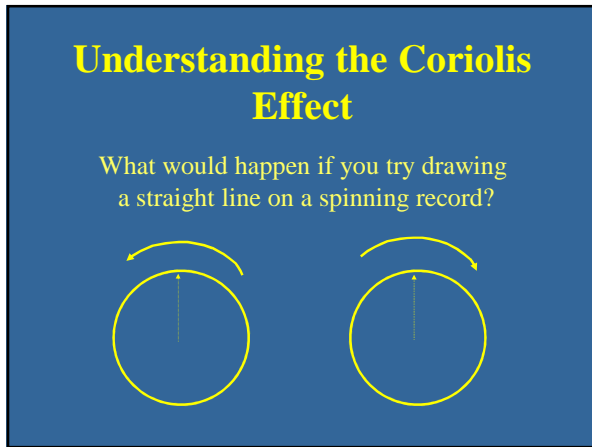
The Atmosphere is Warmed from Below

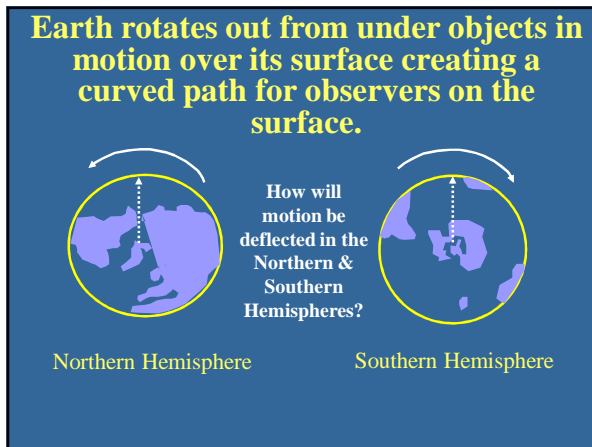
Coriolis Effect

Apparent curvature in the direction of travel of a body moving over a spinning object.

For winds and ocean currents, it's caused by latitudinal differences in the rotational speed of Earth.







Understanding the Coriolis Effect via YouTube

Check out this video:

http://www.youtube.com/watch?v=mcPs_OdQOYU

Pattern of General Circulation

