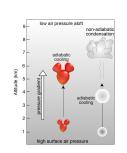
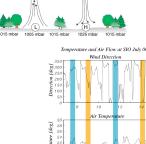
Leftovers from Lecture 15

## **Adiabatic Changes**



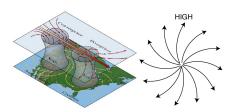
High and Low Surface Pressure some Examples



**Earth's Spin and the Coriolis Effect** 

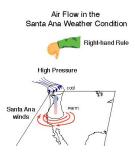
balloon has excess speed to E near equator so gets deflected eastward when moving south or north
balloon has lack of speed to E near pole so gets deflected.

**Cyclonic and Anti-Cyclonic Flow** 

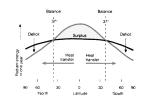




## **Example: Santa Anas**



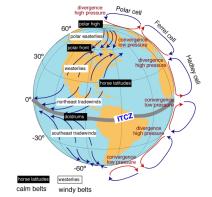
## **Global Air Circulation**



## **Convection Cells**

Watch video 12b

Convection Cells and Prevailing Surface Winds



**Prevailing Winds at the Surface** 

**Winds and Pressure Systems** 

The Intertropical Convergence Zone and Monsoons

The Jet Stream



San Diego's Marine Layer and June Gloom (please review website; will not be on tests)