Atmospheric circulation

Uneven temps

Pressure

- Force/unit area exerted by weight of atm
- Heating expands atm

Pressure differences

- Wind
- Turbulence
- Speed
- direction
 - From
 - Compass or azimuth

Driving Forces

- Pressure Gradient
- Coriolis force
- Friction

Pressure gradient (pgf)

Unequal heating =

- Degree of Δ is gradient
- Steep gradient
- Isobars
- Low P
- High P

Coriolis

- Deflection due to earth rotation
- Rotates E
- Geostrophic winds
- Why not lower level?

friction

- Friction counters CE
- Out of H into L
- Anticyclone

Cyclone

Local winds

- Land and sea breezes
- Opposite at night
- Mountain and valley breezes
- Daytime warm breeze