

## Atmospheric and oceanic circulation

### Circulation w/o CE

#### Coriolis Effect

#### 3 cell model

- Based on latitude

- Most of Earth water

#### Northern Hemisphere

- Anticyclone

- High Pressure in midlatitudes

#### Three cell model

#### tropics

- Hadley cell
- ITCZ

- Hadley cell
- SHPB

- NE & SE trades

midlatitudes

- Cw rotation of anticyclone

polar

- Polar high & low

Oceanic Currents

- Driving force

Oceanic Currents

- gyres

- Water travels W along equator

surface currents

- Transfer of heat

- Gulf Stream

Deep currents