

### Wind

Energy flows? North Hemisphere- Towards the north pole  
South Hemisphere- Towards the south pole

Warm air flows? North Hemisphere- Towards the north pole, towards the cold air  
South Hemisphere- Towards the south pole, towards the cold air

Winds twist? North Hemisphere- East/Counter Clockwise  
South Hemisphere- East/Clockwise

### Convection Currents

Convection currents occur when hot air that is heated up from the equator rises and heads towards the poles. By the time it gets to the poles, it is cold, so it takes the cold air's place, starting to head back to the equator get heated up and go back into the loop. They are in both the north and south hemispheres

### Prevailing Winds

Polar Easterlies, above 60° N or S

Mid-Latitude Westerlies, in between 60° N/S and 30° N/S

Southeast/Northeast Tradewinds, in between 30° N/S and 0° N/S

### Ocean

Conveyor Belt? The warm water that gets warmed up at the poles, heads along the top of the ocean, towards the poles. Once it is there, it is cold, and heads back to the equator



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