

How does wind form?

- **Wind is created when there are horizontal differences in air pressure! High→Low**
- Air will always flow from areas of higher pressure to lower pressure and that creates ...WIND
- Example: If you open an air tight container, you feel a 'pull' because the air is rushing from high pressure (outside of the container) to low pressure (inside of the container).

Unequal heating = Wind

- Basically, wind is nature's way of balancing out the differences in air pressure
- **Larger scale explanation:** The unequal heating of Earth's surface creates pressure differences, which will cause wind.
- **Therefore, Solar radiation is the ultimate energy source for most wind.**

Measuring Wind

- Wind is measured by the directions from which it flows and its speed
- Wind direction-
- Speed-
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- Anemometer- a tool used to measure wind

- Goal: Explain interacting air masses control wind patterns

Pressure differences control wind speed

- **Reminder:** wind is created from differences in air pressure.
- Large difference in air pressure = high wind speed
(ex: 1013mb. to 1025mb)
- Small difference in air pressure = low wind speed
(ex: 1013.2mb to 1014.2mb)