Weather Notes

*REMEMBER:
- Cold air is more dense and has a higher pressure
- Warm air is less dense and has a lower pressure

Not all parts of the atmosphere are heated equally since the earth is tilted. This causes variation in temperature, density, and pressure

The difference in temperature and pressure creates wind

**Wind** – horizontal movement of air from an area of high pressure (cold) to an area of lower pressure (warm)

**Air Mass** – huge body of air that has similar temperature, humidity, and air pressure throughout

There are four types of air masses based on where they are formed:

1. **Maritime** – humid air masses that form over oceans
2. **Continental** – dry air masses that form over land
3. **Polar** – cool air masses
4. **Tropical** – warm air masses

**Front** – place where two air masses meet. This is the cause of almost all weather on the earth