

## Climate Defined



- Definition:
- Average weather of a particular area over a long period of time
- Application:
- Describes annual temperature, precipitation and other variables

### **Normals**



- Climatologists take climate data for at least the last 30 years to determine normals
- Definition:
- Standard values for a location, including rainfall, wind speed, and temperatures based on long-term records

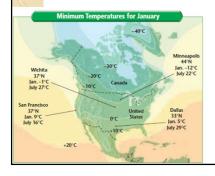
## Take Note...



- While climate describes the average weather conditions for a region, normals apply only to the specific place where the meteorological data were collected
- Most data is gathered at airports
- Your research question for this week is determining the normals for Raleigh-Durham (RDU Airport)

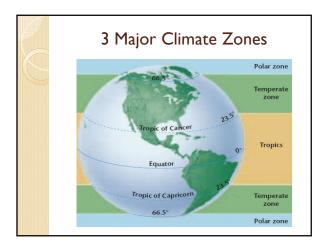
## What Causes Climate to Vary?

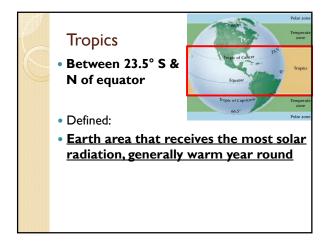
Climate around our country varies greatly

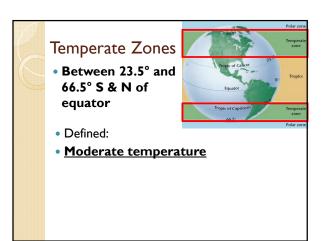


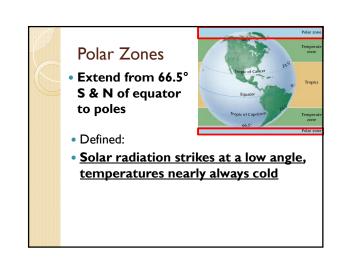
What is one reason why the climate in Minneapolis is different than in Dallas?

Latitude!









## 7 Reasons for Variety of Climate • There are many reasons for variety in climate across the Earth. Here are 7 to consider: 1. Latitude 2. Topography 3. Closeness of lakes and oceans 4. Availability of moisture 5. Global wind patterns 6. Ocean currents 7. Air masses

# Climate Variability Activity Attach into your notebook! Part of next notebook check Perform the activity with your table groups sharing data and the deck of cards