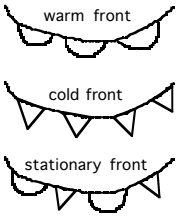
Weather

Maps and Forecasts

- Vocabulary
  - humidity, wind chill, dew point
- Meteorologist
  - a person who forecasts weather
- Probability
  - forecasts based on chance and data trends
- Air Pressure
  - high or low
- Fronts
  - cold, warm, or stationary



States of Matter

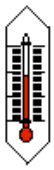
- Heat
  - Add heat --> move from solid to liquid to gas
  - Take away heat --> move from gas to liquid to solid
- Solid
  - Keeps its own shape
  - Molecules do not move very fast
- Liquid
  - Takes the shape of its container
  - Molecules move faster
- Gas
  - Fills its container
  - Molecules move very fast

Water Cycle

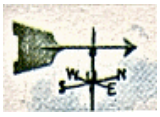
- Evaporation
- Condensation
  - Cirrus clouds -- thin, wispy, high in the sky, sunny
  - Cumulus clouds -- puffy, middle height, sunny
  - Cumulonimbus clouds -- thunderhead with dark bottom, stormy
  - Stratus clouds -- low, dark, like a sheet, rainy
- Precipitation
  - snow
    rain
    sleet
    hail
- Accumulation
  - oceans
    ponds
    rivers
    streams

Weather Instruments

- Thermometer
  - measures heat (degrees Fahrenheit or Celsius)



- Wind Vane
  - measures wind direction (north, south, east, west)

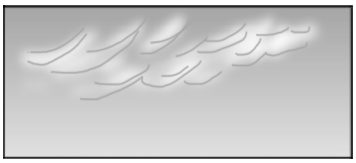


- Barometer
  - measures air pressure

- Rain Gauge
  - measures how much rain falls

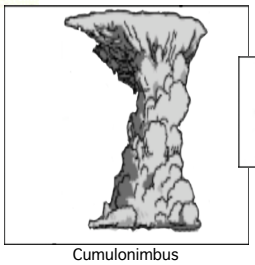
- Anemometer
  - measures wind speed

- Hygrometer
  - measures humidity

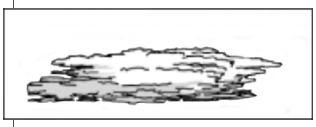


Cirrus

Cumulus



Cumulonimbus (Thunderhead)



Stratus