

Weather Test - Study Guide **Things to know:**

Energy, Heat, Energy Transfer
Heat and Temperature
Conduction
Radiation
Convection

Atmosphere
Composition, what gasses are present?
Layers, names and properties (temperature profiles, presence of ozone, charged particles, etc.)

Coriolis Effect
Why does it exist (what is the cause)?
How is air moved because of it?

Water Cycle
Names and descriptions of each stage
How does condensation form? What is relative humidity?
Predict how much water will condense at given enough information

Pressure Systems
What does pressure have to do with weather?

Air Masses
What are types of air masses, and properties of these types?
What are the names of each kind of air mass?

Weather Fronts
Warm / Cold / Occluded / Stalled
What does a warm front (cold front, ...) mean (in terms of the movement of air masses)?
What happens (in terms of weather) with each kind of front?

Storms - tornadoes, hurricanes, etc.
What are they? / How do they form?