

Weather Test - Study Guide

Earth/Space Science - Barge²

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 if 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?