**Weather Test - Study Guide**

Earth/Space Science - Barge

**Things to know:**

Energy, Heat, Energy Transfer

Heat and Temperature

What is conduction?

What is radiation?

What is convection?

Atmosphere

Composition - what gasses are present?

Layers - names and properties (temperature profiles, presence

of ozone, charged particles, etc.)

Convection cells – how is air moving in the atmosphere?

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?

Pressure Systems

What does pressure have to do with weather (how is air moving & how does that affect weather)?

How is air moving in an area of High pressure or in an area of

Low pressure?

Air Masses

What are the five types of air masses, and properties of these

types?

Weather Fronts

Warm / Cold / Occluded / Stalled

What does a warm front and a cold front mean (in terms of the

movement of air masses)?

What happens (in terms of weather) with each kind of front?

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