**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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