**Unit 3 STUDY GUIDE**

**Heat Transfer**

**Convection (definition)**

**Examples:**

**Conduction (definition)**

**Examples:**

**Radiation (definition)**

**Examples:**

**How is heat transferred inside of Earth’s core/interior? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How is heat transferred from the Sun to Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How is heat transferred in ocean water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Which process of the water cycle is directly affected by the warming of ocean water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How does nearness to the ocean affect precipitation amounts and temperature?**

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**What does a warm/moist air mass over the ocean most likely cause: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the driving force of the water cycle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What causes wind? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Define the following terms:**

**WIND:**

**HUMIDITY:**

**RELATIVE HUMIDITY:**

**AIR PRESSURE:**

**AIR TEMPERATURE:**

**Define (explain what causes) the following natural disasters and explain how we protect ourselves from them:**

**Drought:**

**Tornado:**

**Hurricane:**

**Tsunami:**

**Earthquake:**

**Flood:**

**How do we protect ourselves from excess sun exposure?**

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**What is:**

**GAS A (78%) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**GAS B (21%) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**GAS C (1%) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How does the atmosphere protect and insulate our planet? Be specific about what EACH LAYER does:**

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