

Name: \_\_\_\_\_

**Topic: The Atmosphere**

<b>Describe the following:</b>	
Troposphere	
Mesosphere	
Stratosphere	
Thermosphere	
Ozone Layer	
Air Pressure	
<b>Explain: What is our atmosphere and how does it help us survive?</b>	

Name: \_\_\_\_\_

## Topic: Heat Transfer

**Define the following terms:**

conduction

convection

radiation

**Describe how the following processes work to heat our planet:**

Radiation  
transfers heat  
on Earth by....

Conduction  
transfers heat  
on Earth by....

Convection  
transfers heat  
on Earth by....

**Explain: Which process out of the 3 is most responsible for heat transfer in the atmosphere and what is created by this?**

Name: \_\_\_\_\_

## Topic: Wind

**Describe or define the following:**

Global Winds

Local Winds

Land Breeze

Sea Breeze

Mountain  
Breeze

Valley Breeze

**Explain: What is wind and how is it created?**

Name: \_\_\_\_\_

## Topic: Air Masses

**Define or describe the following:**

Temperature

Humidity

Continental  
Air

Maritime Air

Polar Air

Tropical Air

**Explain: What is an air mass and what are they responsible for creating on our planet?**

Name: \_\_\_\_\_

## Topic: Weather Fronts

**Define or describe the following:**

Air Mass

Front

Cold Front

Warm Front

Stationary  
Front

Occluded  
Front

**Explain: What are all weather fronts capable of creating and why are they all capable of creating this?**

Name: \_\_\_\_\_

## Topic: Weather Events

**Define or describe the following:**

Thunderstorm

Tornado

Hurricane

High-pressure  
System

Low-pressure  
System

Weather

**Explain: How can you stay safe during a tornado?**

Name: \_\_\_\_\_

## Topic: Climate Change

**Describe the following:**

Weather

Climate

Greenhouse  
Effect

Greenhouse  
Gasses

Global  
Warming

Ice Core

**Explain: What do scientists think is the primary cause of global rise in temperature and why is this causing the planet to warm?**

Name: \_\_\_\_\_

Topic:

<b>Describe the following:</b>	
<b>Explain:</b>	