Chapter 1 Study Guide

Earth’s Changing Atmosphere

*There will be 30 to 40 multiple-choice questions, and will cover all pages of your new Weather and Atmosphere notebook so far.*

Vocabulary (define the following terms):

Atmosphere

Altitude

Density

Cycle

Radiation

Conduction

Convection

Ozone

Air Pollution

Fossil Fuel

Particulates

Ultraviolet Radiation

Infrared Radiation

Greenhouse Gas

Greenhouse Effect

What are the two most common gases in our atmosphere?

What happens with density as altitude increases?

What are the three main fossil fuels?

What can we do to reduce greenhouse gases?

What events can cause changes in our atmosphere?

Give examples of greenhouse gases.

In what ways are pollutants harmful?

Name some examples of air pollution.

Give examples of what can contribute to the greenhouse effect.

How does infrared radiation act as a blanket in our troposphere?

Explain how our Earth/atmosphere are heated using radiation, conduction, and convection.

What are the four layers of the atmosphere what happens to temperature as altitude increases in each one? What also occurs in each layer?

Explain the effect chlorine has on our atmosphere.

Where is ozone (what layer(s) of the atmosphere) and what does it do in each layer?

Name three examples of CFC’s and explain why they are bad for our environment.

Give three examples about why our planet is getting warmer.

What percent of the world’s total greenhouse gas emissions is the US responsible for?

What is the rate at which carbon dioxide levels are increasing per year in our atmosphere?