Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Atmosphere Test (Objective 7.E.1.1) Study Guide**

(Test is on Thurs, 09/24)

Vocabulary to know:

|  |  |
| --- | --- |
| Density |  |
| Air Pressure |  |
| Atmosphere |  |
| Molecule |  |
| Altitude |  |
| Radiation |  |
| Conduction |  |
| Convection |  |
| Troposphere |  |
| Stratosphere |  |
| Mesosphere |  |
| Thermosphere |  |
| Exosphere |  |
| Ozone |  |

1. Identify the gases that make up the Earth’s atmosphere, including the percentages each one makes up.
2. Explain in detail how density/air pressure changes with altitude.
3. Label a diagram of the atmosphere’s layers in order and describe activity in each.
4. Explain how the layers are indentified (by temperature changes) and the temperature change (increase/decrease) within each layer.
5. Identify the differences in Conduction, Convection, and Radiation. Explain which one is used in heating the different parts of Earth’s atmosphere.
6. Identify the importance of the Ozone layer, where it is located and why it is important to our Earth’s atmosphere. In addition, explain why greenhouse gases occur below the stratosphere, but not above.