**ATMOS REVIEW** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Atmospheric Layer** | **Important Characteristics**  |
| Troposphere |  |
| Stratosphere |  |
| Mesosphere |  |
| Thermosphere |  |
| Exosphere |  |

# Review Questions

*Answer on back or on separate piece of paper.*

## Atmosphere

1. How does temperature change throughout the layers?
2. What would be the coldest layer? The hottest?
3. Which has the most mass?
4. What are the main atmospheric gases?
5. What does water vapor do? The ozone?

## Energy

1. What are the 3 ways energy moves through the atmosphere?

## Weather

1. Why is bad weather associated with low pressure?
2. What do hurricanes need to form? Tornadoes?
3. Draw and label wind fronts.
4. Complete and label a weather symbol for today’s weather (the circle with numbers and lines/dots).
* Temp = 30, Dew Point = 22, Pressure = 30.3, Wind = 15knots, NE
1. What is dew point?
2. Fast cold air hits warm air. How heavy will the rain be and how long will it last?
3. Describe the types of clouds with words and pictures.

## Pollution

1. What the gosh darn are chloroflurocarbons?
2. What’s the main thing destroying the ozone?
3. What acids cause acid rain?
4. How can we reduce the amounts of acid rain?
5. What are the effects of acid rain?
6. Explain the difference between the different deposition types.
7. Acid rain is formed both naturally and by humans. Explain why each can be considered worse.