Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_ Per: \_\_\_\_\_ Ahearn Earth Science

Atmosphere –ESRT Chart

1. What page of the reference table is the atmosphere graph? \_\_\_\_\_\_\_\_\_\_\_
2. What 3 characteristics are portrayed on the graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Name the 4 layers of the atmosphere in order from lowest to highest?

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1. What altitude does the troposphere end? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ What is the temperature? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the ***interface*** between the stratosphere and mesosphere called? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the pressure measurement at the tropopause? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the concentration of water vapor at 5 miles above the Earth’s surface? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What is the relationship between air pressure and elevation as altitude increases? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. How thick is the mesosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Where does the Earth’s atmosphere end? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ What Layer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. What happens to temperature in the stratosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What layer does the atmosphere get the coldest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ How cold? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

