

ATMOSPHERIC LAYERS: READING FOR CONTENT

1. List the layers of the atmosphere starting with the one closest to the Earth?
2. Which layer exist between the surface and 11 km? What percent of total mass is found in this layer?
3. Our weather occurs in which layer?
4. What is an isothermal layer? How many of them are there in the atmosphere? Name them?
5. Where layer is the ozone located in? What function does it serve?
6. How cold does it become in the mesosphere? At what Altitude does this occur?
7. What is unique about the thermosphere in regards to temperature? Explain why?
8. There is a layer about the thermosphere called the exosphere? What do you think happens in the exosphere with regards to temperature? Why do you think it is not located on this chart? (HINT: exo refers to?)
9. For the following, describe weather temperature increases (I), decreases (D), or stays the same (S) as altitude increases.
 - a. Tropopause
 - b. Mesosphere
 - c. Thermosphere
 - d. Stratopause
 - e. Troposphere
 - f. Stratosphere
 - g. Mesopause

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