

NAME:

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LAYERS OF THE ATMOSPHERE WORKSHEET

Use the picture on back to answer the following questions

1. Name the five main layers of Earth's atmosphere.
2. What lies beyond the thermosphere?
3. Is there a clear boundary to Earth's atmosphere? YES NO
4. What is the division of Earth's atmosphere into layers based on?
(list several examples)
5. How does the temperature change as you travel up through the layers?

Exosphere:	increase	remain same	decrease
Thermosphere:	increase	remain same	decrease
Mesosphere:	increase	remain same	decrease
Stratosphere:	increase	remain same	decrease
Troposphere:	increase	remain same	decrease
6. What accounts for these temperature differences?
7. Using the information on the diagram, approximately how high does each layer extend in Km and in miles?
(1miles = 1.6km)
8. What might you find in each layer?

Exosphere:
Thermosphere:
Mesosphere:
Stratosphere:
Troposphere
9. What is the importance of the ozone layer?
10. What is the importance of the ionosphere?

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