

## Atmospheric Foldable Directions

1. Holding a piece of 8 ½" x 11" paper in horizontal (landscape) orientation, fold each side towards the center until they meet. (barn door style)
2. On the base of your foldable (with the layers, altitude & temp line), color the long dark lines that represent temperatures changes: from the bottom -- blue, red, blue, red, representing decreasing, increasing, decreasing, increasing temperatures. Circle the near vertical temperature "pauses" in between each of the main layers on the temp line graph.
4. Carefully cut out the diagram of the atmosphere. Paste or tape into the center of 8 1/2" x 11" paper. Paste toward the bottom so you have room for a title at the top.
5. Label the top: **Layers of Earth's Atmosphere**
6. Cut out the boxes that contain the characteristics of each of the eight layers of the atmosphere. Paste on the inside flaps of the foldable under the correct layer. Be sure to put the main layers (Troposphere, Stratosphere, Mesosphere & Thermosphere) on the

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inside left and the minor layers (Ozonosphere, Ionosphere, Exosphere & Magnetosphere) on the inside right. Line up the cut strips so they match up with the layers they describe.

7. Design the front of the foldable as you like, but add another title of:

Layers of Earth's Atmosphere – Characteristics, Altitude &  
Temperature.

You may cut along the layers to form additional tabs if you like. Be careful where you place your objects if you're going to be cutting later.

8. Carefully cut out the small sketches **ONE AT A TIME** & start with the low altitude items. There are many that will bunch up at the bottom. Read the words that tell you where to paste the sketch and paste to the front of the foldable and/or on the diagram of the atmosphere. **Do NOT cut out the words that tell you where to paste each sketch! They take up a lot of room. You can tape/paste the pics only at the altitude indicated so you know where they can be found. Lay them all out before final taping/gluing. BE NEAT WITH GLUE OR YOU'LL GLUE YOUR FOLDABLE CLOSED!**

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9. ON THE BACK: Include your name, date, & period for this activity.
10. Save this activity! You may need it again for a grade or to help with an upcoming quiz.