**Layers of the Atmosphere Flip Book**

1. This is a major product and requires a lot of effort, creativity,   
   and artistic presentation.
2. Information included in this flipbook should be written in   
   blue or black ink or typed.
3. Pictures should be drawn and colored or printed in color and   
   neatly attached to the flipbook.
4. Construct a booklet placing the 4 major layers of the Earth’s atmosphere (plus the 2 sub-layers) in order using the information from your research worksheet. Place your name and period on the back of the booklet.
5. Layers of the Atmosphere – Bottom flap of booklet.
   1. Illustrate (in color) the first step titled, “Layers of the Atmosphere” with a picture that represents the Earth’s atmosphere.

* 1. Write a brief paragraph that introduces your book and what it is about. (Put b-e underneath the Troposphere flap.)
  2. Define “atmosphere.”
  3. Write what the atmosphere is made of and give percentages – be specific. Show this information in a pie graph that includes elements and percentages.
  4. Describe how air pressure changes as you go up in the atmosphere.
  5. This section is worth 10 points (2 points for each item.)

1. Flaps 2-6. Each flap is worth 8 points (40 points total).
   1. Illustrate (in color) on each layer of the atmosphere’s flap 2 pictures that represents that layer of Earth’s atmosphere.

* 1. Define each layer (use your research chart). Be specific.
  2. Write the altitude (height in Km) of each layer.
  3. Temperature of each layer (in degrees Celcius).
  4. Write the layer or layers it is above or below. This is its relative location.
  5. Calculate the approximate thickness (in Km) of each layer.
  6. 4-6 unique characteristics of each layer of the Earth. (These are characteristics not included in a-f or h.)  
     This information can be bulleted.
  7. Explain why this layer is important to life on Earth. Write in complete sentences.

**Layers of the Atmosphere**

**The Mesosphere**

**The Stratosphere**

**The Troposphere**

**The Thermosphere**

**The Ionosphere / Exosphere**