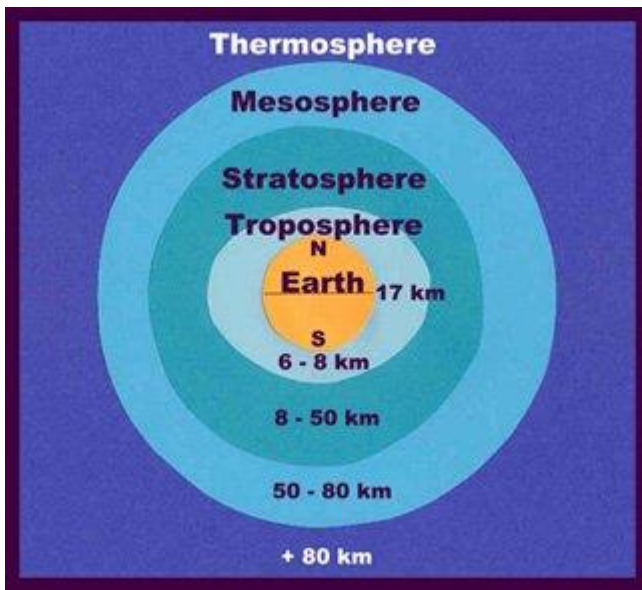


ELEMENTARY SCIENCE ACTIVITIES

ATMOSPHERE'S LAYERS

These elementary science activities introduces you to the layers that make up our atmosphere. In this fun science activity you will create a picture showing the Earth surrounded by the Troposphere, Stratosphere, Mesosphere and the Thermosphere.



Outer layers of the atmosphere

MATERIALS

- Compass
- Four colors of blue construction paper
- Orange construction paper
- Scissors
- Glue
- Metric ruler
- Black felt pen

DIRECTIONS

1. Draw a circle on the orange paper that has a radius of 2 cm and a diameter of 4 cm.

2. Cut out the circle and draw an equator across the middle of the circle.
3. Label the orange circle **Earth** and put an N at the top and S at the bottom to show the poles.
4. Draw an oval on the lightest blue paper with your compass. The widest part of the oval should have a radius of 4 cm. The narrowest part 3 cm.
5. Trim the oval so the diameter is 8 cm around the equator and 6 cm at the poles.
6. Label the oval the **Troposphere**. The diameter of the oval varies between 6 cm and 8 cm.
7. Take the next piece of paper and create a larger circle with a radius of 6 cm.
8. Cut out the circle and label it **Stratosphere**. The diameter of this circle is 12 cm.
9. The final circle should have a radius of 8.2 cm.
10. Cut out the circle and label it **Mesosphere**. The diameter of this circle is 16.4 cm.
11. Label the last square of blue paper **Thermosphere**.
12. Glue each of the circles one on top of the other to make the layers of the atmosphere like the picture above