



Bake an Atmosphere Cake

Enjoy baking together and discovering Earth's atmosphere!

Materials Needed:

Cake base (make or buy), printed atmosphere decorations (or draw your own), toothpicks*, tape, crayons.

*Substitute with straws or birthday candles.



Suggested Cake Recipe:

Ingredients: 1 cup yogurt, ½ cup olive oil, 3 eggs, 3 cups flour, 2 cups sugar, 2 tsp baking powder, 1 pinch of salt, 1 tsp vanilla essence.

For a chocolate cake, add 3 tbs cocoa powder.

Preheat oven to 350F. In a mixing bowl, add all the ingredients. Mix until smooth. Pour cake batter into an greased round cake pan. Bake 35 minutes or until toothpick comes out clean. Let cool.

This recipe is based on a traditional French children's yogurt cake.

Based on original recipe (in French)

cuisine.journaldesfemmes.fr/recette/330802-gateau-au-yaourt

Instructions:



Step 1: Bake a cake. Let your child help with measuring and pouring each ingredient into the bowl. After baking, let the cake cool completely.



Step 2: Cut out the printed decorations and color, or draw your own. Tape each decoration to a toothpick.



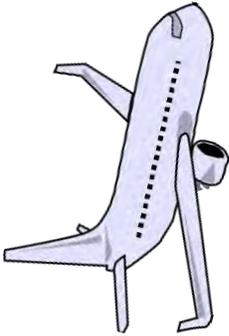
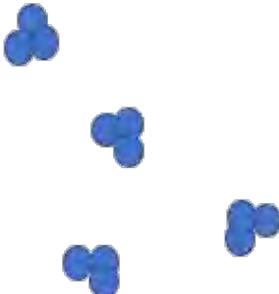
Step 3: When the cake is cool, place the decorations on the cake. Place the Earth in the middle, and the toothpick decorations around it (air, clouds, satellites, aurora, etc.). The atmosphere protects the Earth and makes life possible!

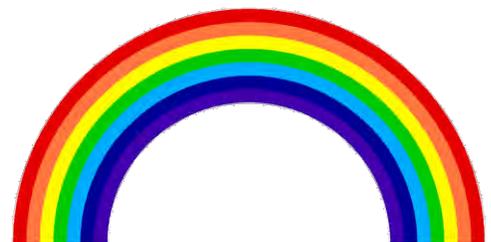


Step 4: Enjoy eating a piece of your cake together!

Bake an Atmosphere Cake: Printables

(images are not to scale)

 <p>Air to breathe</p>	 <p>Aurora</p>	 <p>Satellite</p>	 <p>Space Station</p>
 <p>Airplane</p>	 <p>Ozone</p>	 <p>Cloud</p>	 <p>The atmosphere protects us from meteorites</p>



Earth Image: NASA/GOES Project
earthobservatory.nasa.gov/features/EarthPerspectives

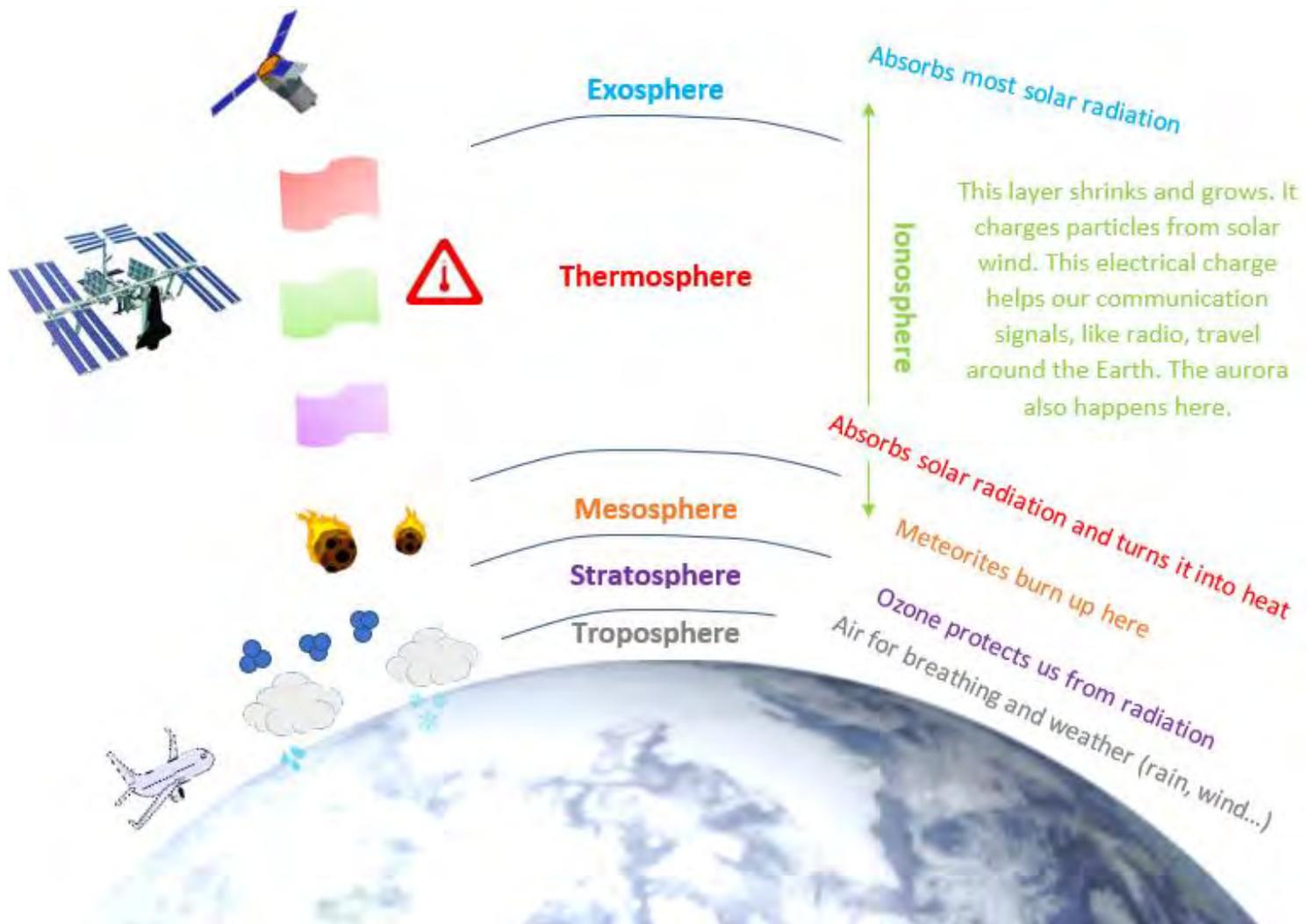


What Happens in the Atmosphere?

The Earth has a jacket of gases around it, called the *atmosphere*.

The atmosphere protects us from the sun's strong radiation, keeps Earth warm, and gives us oxygen to breathe. It makes life on Earth possible.

The atmosphere has six different layers. Different processes happen in each layer.



Atmosphere is not to scale.