



## Cycle 1 Week 20



# ATMOSPHERE

-We have been learning about the layers of the earth. We are also going BEYOND the earth to learn about the atmosphere that surrounds the earth.

-The atmosphere is broken into 5 main parts – say them with me:

- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere
- Exosphere

What do all those words have in common? SPHERE!

-**What does “sphere” mean?** A round figure or surface, with every point on its surface equal distance from its center.

-If I make a circle and put a dot in the middle, no matter which direction I go out from there, it will be the same distance to the edge of the sphere.

(Show them the layers picture on the next page as you explain each)

- The troposphere is closest to the earth and is where most of our clouds and weather are located. It is also where you would find airplanes flying.
- The stratosphere is where the ozone layer is found. Weather balloons float in the stratosphere, collecting weather data.
- The mesosphere is where meteors burn up on their way down to earth.
- The thermosphere is very hot and can reach thousands of degrees! This is also where some satellites and the international space station orbit.
- The exosphere is the area farthest from earth and gradually fades into outer space. You can find satellites in this area also.



-We are now going to make a project that shows the layers of the earth and atmosphere.

(The atmospheres for their project are in the shape of an oval – point out that this is NOT how they really look. We just needed to fit them all on the page, so we squished it.)

