

Name: _____

The Atmosphere Videos and Quiz

Our Atmosphere: <https://www.youtube.com/watch?v=1YAOT92wuD8>

Layers of the Atmosphere: <https://www.youtube.com/watch?v=T2x-RLE9Z18>

layers air burn-up Lights less satellites jets
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1. We live on the bottom of an ocean of air called the _____.
2. Compared to the size of the earth, the atmosphere is really _____.
3. The atmosphere allows life on earth to exist by keeping the earth _____, giving us _____ to breathe, and _____ us from the harmful bits of the Sun's radiation.
4. The atmosphere has five different _____.
5. The **troposphere** is the layer we live in. It has lots of _____ molecules and is where all our _____ happens.
6. Next is the **stratosphere**; there are _____ air molecules here. This is the *ozone layer* that absorbs harmful UV radiation from the sun and turns it into heat. This layer is also where _____ fly.
7. Above the stratosphere is the **mesosphere**. There are even fewer air molecules here. This layer is where most meteors that are headed toward the earth _____.

OVER→

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8. The next layer is the **thermosphere**. There are not many air molecules up here, but the protect us by absorbing dangerous high-energy gamma rays from the sun. This layer is where the Northern and Southern _____ (the Auroras) happen.
9. The final layer is the **exosphere**. This is as high as the atmosphere goes. There are hardly any air molecules up here at all. This is where _____ orbit.
10. After the exosphere comes the _____ of **space** where there's no air at all.

