

## **HANDOUT**

## Layers of the Atmosphere Fill-in-the-Blank

			_ Date:		
Instructions: After reather correct missing wo		the Layers of Atmosphere	presentation, fill in the blanks wi	ith	
Ozone Layer	Oxygen	Hydrogen	Cold		
Exosphere	Stratosphere	Drop	Mesosphere		
4,500	Helium	Highest	Noctilucent		
Closest	Colder	Rising	International Space		
Meteors	Flying	Water vapor	Station		
			Warmer		
The Earth's atmosphere	e covers the planet, keeps us	warm, provides	to breathe, and is whe	re	
all weather occurs. Eart	h's atmosphere has five majo	or layers including the Trop	osphere,		
	, Mesosphere, Thermos	sphere, and the Exosphere	. The Troposphere is the layer		
to th	e Earth's surface. This layer	is where most of the weath	ner and clouds are generated ar	nd	
formed. It contains 99% of all and aeros			where you will most likely see		
birds and planes	The Stratos	sphere is the layer where y	ou can find the		
	Unlike the Tropos	phere, air at the bottom of	this layer is and	d	
the air at the top is	This is the		layer of the atmosphere that	1	
jet airplanes can reach.	The next layer is called the _		, it is between the		
Stratosphere and the Th	nermosphere. In this layer, th	ere is little to no air, so as	the altitude rises the temperatur	es	
begin to	It is here where clouds c		s can form due to such scarce		
water vapor. Many	that come into Earth's atmosphere will burn up in this layer. In the				
Thermosphere, there is	very low density of molecule	s which results in temperat	tures as th	ιе	
altitude increases. Temp	peratures here can reach	degrees Fa	hrenheit. This layer is, also, whe	ere	
the	0	rbits. The final layer is calle	ed the		
			, albeit with lots of space betwee		
	and has no				



H-LP25a (Revised 12/25)

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## **Answer Key**

## See below for answers.

The Earth's atmosphere covers the planet, keeps us warm, provides oxygen to breathe, and is where all weather occurs. Earth's atmosphere has five major layers including the Troposphere, Stratosphere, Mesosphere, Thermosphere, and the Exosphere. The Troposphere is the layer closest to the Earth's surface. This layer is where most of the weather and clouds are generated and formed. It contains 99% of all water vapor and aerosols. This is where you will most likely see birds and planes flying The Stratosphere is the layer where you can find the Ozone Layer. Unlike the Troposphere, air at the bottom of this layer is warmer and the air at the top is colder. This is the highest layer of the atmosphere that jet airplanes can reach. The next layer is called the Mesosphere it is between the Stratosphere and the Thermosphere. In this layer, there is little to no air, so as the altitude rises the temperatures begin to drop. It is here where noctilucent clouds can form due to such scarce water vapor. Many meteors that come into Earth's atmosphere will burn up in this layer. In the Thermosphere, there is very low density of molecules which results in temperatures rising as the altitude increases. Temperatures here can reach 4,500 degrees Fahrenheit. This layer is, also, where the International Space Station orbits. The final layer is called the Exosphere. Hydrogen and helium can be found in this layer, albeit with lots of space between them. This layer is very cold and has no air to breathe.