1.	What is	Earth's	atmos	phere?
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2	Describe how nitrogen	moves through r	planet Farth	including	Farth's inhabitants
۷.	Describe now milityen	THOUGH LINDUGH L	Jianot Laitin,	moduling	Lartii 3 iiii abitarits.

3. Create a pie graph that represents the *relative* amounts of different gases that make up Earth's atmosphere.

4. Complete the table that compares Earth's atmosphere to other planets in the solar system.

Planet	Major gases			
	CO <sub>2</sub> -	N <sub>2</sub> -	H₂O1%	
Earth	CO <sub>2</sub> 04%	N <sub>2</sub> -	O <sub>2</sub> -	Ar93%
Mars	CO <sub>2</sub> - 95%	N <sub>2</sub> - 3%	Ar -	

5.	The reason Earth is so different from the other planets has to do with the process of

6.		s used by plants and other living organisms,
	and is used by humans.	
	a) CO <sub>2</sub> , N <sub>2</sub>	
	b) CO <sub>2</sub> , O <sub>2</sub>	
	c) O <sub>2</sub> , CO <sub>2</sub>	
	3, 22, 322	
7.	Atmospheric pressure is a measuremen	nt of the of air molecules per
	unit in the atmosphere	at a given altitude.
8.	The pressure at sea level on a person is	s about pounds!
	a) 9,800	
	b) 1,000	
	c) 2,200	
9.	Draw the graph of air pressure vs. altitu	de.
10	. Air pressure as altitu	ude
	a) docrocoo incressos	
	<ul><li>a) decreases, increases</li><li>b) increases, increases</li></ul>	
	c) remains constant, increases	
	o) Terriains constant, increases	
11	. Air molecules are pack	ked at sea level.
12	2. An instrument that measures air pressu	re is called a
	a) hygrometer	
	b) barometer	

c) anemometer

14. Match the layers	within the atmosphere with the correct definition of each.		
Troposphere	Temperature increases due to concentration of ozone		
Stratosphere	the coldest layer of the atmosphere, meteors burn up here		
Mesosphere	low density of air molecules and very high temperatures		
Thermosphere	warmest at the bottom, temperature at the top is about -60° C		
lonosphere	no specific outer limit		
Exosphere	where ions exist and temperature is warmer		
15. Draw the picture of the layers of the atmosphere showing activities that occur in each			

13. Draw the mercury barometer in Figure 11.5. Make sure to include labels!