FORMATION OF THE ATMOSPHERE NOTES

Made of These light gasses (H	&			
These light gasses (i				
	i di nej, were neated	. The gasses	were carried away by	
FYI:	a	lso had the same 1st at	mosphere of H & He.	
Earth's 2nd Atm	osphere	wer earth produced	carbon diovide & nitrogen gas	
The only living organ	and			
100's of millions of v	ears passed		·	
The earth continued to &		k	formed clouds. Rainfall formed the	
Earth's 3rd atmo	osphere (Our Currei	nt Atmosphere)		
Oxygen appeared when		- /	broke the water vapor H_2O into H & 0.	
However, most of the came from			, when plants appeared 2-3 billion years age	
Photosynthesis make	es oxygen by turning			
As plants became wi	de spread	became abur	dant in the atmosphere.	
-				
Today our atmosphe	ere is:		Argon	
78%			Carbon dioxide All others	
21%				
0.93%				
0.038%			Oxygen	
	Percent c	of Gas in Air		
Type of Gas	Early Atmosphere	Present Atmosphere	Nitrogen	
Carbon Dioxide	92.2	0.03		
Nitrogen	5.1	78.0		
Sulfur dioxide	2.3	0.0		
Hydrogen Sulfide	0.2	0.0		
Ammonia	0.1	0.0		
Methane	0.1	0.03		
Oxygen	0.0	21.0		
Argon	0.0	0.9		
1. What three gases	made up about 99 per	cent of the early atmos	sphere?	
	ake up about 00 para	ant of today's atmosph	ara?	
2. What two gases m	ake up about 33 perce	ent of today's atmosph		
2. What two gases m	ake up about 99 perce			

- 5. How has the amount of carbon dioxide in the air changed over time?
- 6. What caused the change in the amount of carbon dioxide?
- 7. How does the amount of oxygen in today's atmosphere compare to the early atmosphere?
- 8. What caused the change in the amount of oxygen?

ha Graanhaurca Tiffaat

he sun's energy is either _. /bat bannens to solar en	rav?	or	:	
<u>Approximately:</u>	is absorbed b	by earth		
_	is absorbed by the atmosphere (clouds, etc)			
_	is reflected b	ack into space		
— Solar energy passes thr	bugh the atmospher	re		

If we didn't have the greenhouse effect earth would be So, we need the greenhouse effect to keep us alive!



But there is a problem: Greenhouse gases are getting ______. This _____ more _____ making earth warm up.

_____, ____,

Greenhouse Gasses:

Carbon dioxide is the biggest problem:

- produced by _____
- Using _____
- Using _____
- using natural gas (______
 - for showers, clothes, etc

What can **YOU** do TODAY?

 1. Use energy-saving ______. Buy

energy-efficient fluorescent bulbs for your lights. 2.

_____ - turn off VCRs & other unused appliances

- 3. Shop smart Buy products that use less _____. Buy items made from recycled materials. Purchase only what you really need.
- 4. Wash clothes in _____, not hot.
- 5. Hang 1 load of clothes a week on a rack or clothes line
- 6. Recycle
- 7. Leave your car at home two days a week



2014 Global CO₂ Emissions from F

China 30%