Card	Gases Present in the Atmosphere (and percentage, if listed)	Important Date and Event
B	hydrogen, helium (nucleon)	Earth formed > 4.5 bya
E	Water Vapor CO2 Nitrogen Sulfur Dioxide	Erupting Volcanoes
С	70%. CO2 30%. N ₂	Water condensed into liquid on Earth's surface (oceans)
H	20% CO2	Oceans absorbed CO2 3.5 by a
G	15%. CO ₂ 21%. O ₂	Living things produce Oz 2-3 by a (photosynthesis)
A D	21% 02	land plants produce 02 400-500 mya
A	78%. Nitrogen 21%. Oxygen 21%. CO2	modern atmosphere
M	0.0377%. CO2	19% increase in CO2 from 1959 to 2004

Greenhouse Gases

Analysis Questions

Look carefully at your completed table.

C02

1.	now has the amount of carbon dioxide gas in the atmosphere changed from the		
	beginning of the earth's history to present time?		
	There was no CO2 in the beginning. Empting Volcanoes		
	put CO2 into the atmosphere. (70%) Oceans absorbed the CO2,		
	50 CO2 levels decreased to <1%. Human activities		
	have caused CO2 levels to rise.		
2.	How has the amount of oxygen gas in the atmosphere changed from the		
	beginning the earth's history to present time?		
	There was no Oz in the beginning. Living things (including		
	plants) put 02 into the atmosphere. Or levels		
	went from 11. to 21%.		
3.	How have living organisms (plants, animals and people) affected the composition		
	of the earth's atmosphere (what gases it's made of)? Support your answer with		
	examples from this activity.		
	Human activities have 1 CO2 1. and other Greenhouse		
	gas. Plants have 1 02%		
4.	Reflection: Do you think that the atmosphere will have different amounts of		
	oxygen and carbon dioxide in the future? Explain your reasoning.		
	(Hint: What effect has human activity had the atmosphere?)		
	(Time What chest has haman activity had the atmosphere?)		