



Figure by MIT OCW.



Image is taken from NASA's Web site: http://www.nasa.gov.







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<u></u>	resent Day Planetary Atmospheres		
	Mars	Earth	Venus
CO <sub>2</sub>	95 %	0.035 %	98 %
N <sub>2</sub>	2.5 %	78 %	2 %
<b>O</b> <sub>2</sub>	0.25 %	21 %	Trace
H <sub>2</sub> O	0.1 %	1 %	0.05 %
Temp (°C)	-53	16	474



Figure by MIT OCW.





Cover of Wired Magazine featuring photo of Craig Venter, August 2004, removed due to copyright considerations.

Screenshots of the Sorcerer II web site have been removed due to copyright considerations. Please see: http://www.sorcerer2expedition.org/version1/HTML/main.htm

## Take Home Messages

- Ecology life at different scales
- Emergent Properties
- ➢ Organism ↔ Environment TWO WAY
- Life has shaped Earth's features
- Biosphere geosphere have co-evolved
- Genetic inventory unknown
- Microbes Rule!