
3. Sulfur flow

flow	magnitude [10^{12} kg(S)/yr]
plant uptake of sulfur	
continents	0.15
oceans	0.6
flow of SO_2 and SO_4^{-2} to Earth's surface, mostly in precipitation as H_2SO_4 and by dry deposition of aerosols	0.24
flow of S to the atmosphere from biological sources, sea spray, and volcanoes [about 33% of this flow is SO_4^{-2} , the remainder being H_2S and SO_2 ; the volcanic contribu- tion is about 20% and the sea spray contri- bution is 25%.]	0.15
emissions to the atmosphere of SO_2 from fossil fuel burning, and metal-ore smelting (2006)	0.085
river flow of sulfur to the sea	0.1
fertilizer and industrial SO_4^{-2} production (2006)	0.03
