

Table 7. Annual cellular production of prokaryotes in various habitats

Habitat	Population size	Turnover time, days	Cells/yr, $\times 10^{29}$
Marine heterotrophs			
Above 200 m	3.6×10^{28}	16*	8.2
Below 200 m	8.2×10^{28}	300*	1.1
Marine autotrophs	2.9×10^{27}	1.5†	7.1
Soil	2.6×10^{29}	900*	1.0
Subsurface	4.9×10^{30} *	5.5×10^5 *	0.03
Domestic mammals	4.3×10^{24} ‡	1§	0.02

*The value or mean of the range discussed in the text.

†Based on the median generation time of *Prochlorococcus* (84).

‡Sum of the number of prokaryotes in cattle, sheep, goats, and pigs from Table 4.

§From ref. 85.