

Appendix B

Sizes and Masses of Organisms

Organisms	Length	Mass	Organism	Length	Mass
Viruses	nm	ag	Bees	20	100
	50	60		cm	g
Minimum bacterial size	nm	fg	Grey voles	5	4
Oligotrophic bacteria	250	8	Mice	9	20
	400	30	Rats	25	350
Mycoplasma	μm	pg		cm	kg
<i>Escherichia coli</i>	2	< 1	Foxes	60	8
<i>Emiliana huxleyi</i>	3	2	Chimpanzees	90	35
	4	30	Humans (adult)	170	70
Myxobacteria	μm	ng	Gorillas	180	100
	10	50	Camels	300	500
Dinoflagellates	μm	μg		m	t
	100	50	Giraffes	4	1
Amoebas	mm	mg	Asian elephants	6	2.5
Coelenterates	2	0.1	Blue whales	24	95
	10	50	Giant sequoia	90	1,000

Sources: Prokaryotic sizes mostly from Margulis and Schwartz (1982); mammalian sizes and masses from Eisenberg (1981).