Table II. Fraction of cell fresh and dry weight accounted for by the plasmalemma plus outer membrane plus cell wall of cyanobacteria and by the plasmalemma plus plastid envelope membranes plus intermembrane space in chlorophyte algae, for spherical cells of radius 0.5 μm and 5.0 μm. Values of fresh weight basis from Table 6 of Raven (1986) assuming overall cell density is 1 Mg m<sup>-3</sup>, but with membrane thickness assumed to be 8 nm rather than 10 nm (cf. Raven, 1984a)

	Cell of	Cell of radius	
	0.5 µm	5.0 µm	
<ol> <li>Prokaryotic outer membrane as fraction of cell fresh weight</li> <li>Prokaryotic plasma membrane inside wall of 10 nm thickness (0.5 radius cell) and 100 nm thickness (5 μm radius cell) as a fraction of fresh weight</li> </ol>		0.0048 0.0046	
(3) Prokaryotic outer membrane plus plasmalemma as fraction of cell fra weight	esh 0.092	0.0094	
(4) Prokaryotic outer membrane plus plasmalemma as fraction of cell weight"	dry 0.322	0.0364	
(5) Chlorophyte plasmalemma as fraction of cell fresh weight assuming cell wall	no 0.048	0.0048	
(6) Inner and outer plastid membranes of a chlorophyte with a spheri plastid occupying half of the cell volume and with a 10 nm intermembrane space		0.0060	
(7) Chlorophyte plasmalemma plus plastid envelope membranes as fract of cell fresh weight	ion 0.11	0.011	
(8) Chlorophyte plasmalemma plus plastid envelope membranes as fraction of cell dry weight	s a 0.33	0.042	

<sup>&</sup>quot;Assumes membrane has a density of 1.15 Mg m<sup>-3</sup> (Douce and Joyard, 1979; Raven, 1984a) and that cell material other than the specified membranes has 0.25 g dry weight g<sup>-1</sup> fresh weight.