

**Table 1.** The range of osmolarities found in freshwater algae. Where necessary values in pressure units were converted to osmolarities assuming a temperature of 20 °C

Organisms, characteristics	Osmolarity (osmol m <sup>-3</sup> )	Reference
<i>Chlamydomonas reinhardtii</i> (± spherical unicellular flagellate chlorophycean microalgae with 'wall' which cannot function in turgor regulation; radius ~5 µm)	62	Table 3 of Raven (1982)
<i>Poterochromonas malhamensis</i> (± spherical unicellular flagellate chrysophycean microalga; wall-less; radius ~5 µm)	75	Table 3 of Raven (1982)
<i>Hydrodictyon africanum</i> (colonial algae at stage with spherical non-flagellate walled cells; radius ~1.5 mm)	59–79	Table 8.10 of Raven (1984a)
<i>Hydrodictyon reticulatum</i> (colonial chlorophycean alga with cylindrical non-flagellate walled cells; radius 4.5–56 µm)	248–380	Table 8.10 of Raven (1984a)
<i>Chara corallina</i> (≡ <i>Chara australis</i> ) (multicellular charophycean alga; cylindrical non-flagellate walled internodal cells; radius 0.5 mm)	246	Table 3.1 of Hope & Walker (1975)
<i>Nitella flexilis</i> (multicellular charophycean alga; cylindrical non-flagellate walled internodal cells; radius 0.5 mm)	255–316	Table 3.1 of Hope & Walker (1975)

Hope, A.B. & Walker, N.A. (1975) *The Physiology of Giant Algal Cells*. Cambridge University Press, Cambridge.

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