

6 Rate and leaf structure – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

6.6 Light intensity, carbon dioxide concentration, temperature.

6.7 The factor that is in shortest supply, which holds back the rate.

6.8 The palisade (mesophyll) cells, because they are near the top and packed with chloroplasts.

6.9 They let carbon dioxide in and oxygen out (gas exchange).

6.10 Broad to catch plenty of light; thin so that gases and light reach all the cells quickly.

6.11 Add extra **carbon dioxide**. On a bright, warm day light and temperature are already high, so carbon dioxide is the **limiting factor** —raising it lets the rate increase.