

What affects the rate of photosynthesis?

Carbon dioxide :- increasing the amount of carbon dioxide levels in the air around the plant firstly makes the rate of photosynthesis increase. Carbon dioxide is the limiting factor at this point. At the limiting point the graph levels off as a constant at this point carbon dioxide is no longer the limiting latter. It is now temperature or light intensity



Light intensity: as light of tensity increases of the rate of photosynthesis light intensity is the limiting of control for uphout. At extremely digge light intensities the rate of photosynthesis decreases as the chlorophyll is damaged.



Temperature:- as temperature increased so does the rate of photosynthesis. Enzymes for the light-independent system have a higher chance of collisions to form E-S complexes and these are formed more quickly. However enzymes have an optimum temperature above this the enzymes denature.

