

Download What Factors Affect The Rate Of Photosynthesis

The following points highlight the fifteen main factors affecting photosynthesis. The factors are: 1. Temperature 2. Carbon Dioxide Concentrations 3. Light 4. Intensity 5. Quality 6. Duration 7. Factors affecting the rate of photosynthesis. In addition to the three main factors above are other factors such as chlorophyll concentration, water and pollution. Only the three main factors identified above will be considered in further detail. Many external and internal factors affect the rate of photosynthesis. The external or environmental factors are: A light intensity, carbon dioxide concentration and temperature. The internal factor influencing the photosynthesis is chlorophyll content of the leaves and protoplasmic factors. Light is essential for photosynthesis. The factors that affect the rate of photosynthesis are: the amount of sunlight, the amount of carbon dioxide, amount of water, intensity of sunlight, and the climate (temperature). Factors that affect the rate of photosynthesis. The main variables which affect photosynthesis are light, water, CO₂ concentration and temperature. On a deeper level, other factors like amount of chlorophyll, availability of nutrients (eg Mg is needed for chlorophyll synthesis) will also affect the rate of photosynthesis, though these are rarely covered in discussion of this topic. Photosynthesis is a chemical reaction that is fundamental to life. In this video we are going to have a look at the factors that affect the rate of photosynthesis. Factors Affecting Photosynthesis. Internal factors include the structure of that particular plant, the age of the plant, the plant's genetic make-up, growth, the orientation of leaves and so on. External factors include sunlight, carbon dioxide concentration, temperature, water, and so on. When the topic of the rate of photosynthesis is raised, ... Water is considered as one of the most important factors affecting photosynthesis. When there is a reduced water intake or availability, the stomata begin to close to avoid loss of any water during transpiration. With the stomata closing down the CO₂ intake also stops which affects photosynthesis. Limiting factors. The main factors affecting rate of photosynthesis are light intensity, carbon dioxide concentration and temperature. In any given situation any one of these may become a limiting factor, in other words the factors that directly affects the rate at which photosynthesis can take place masking the effects of the other factors. Factors affecting photosynthesis. There are several ways of measuring the rate of photosynthesis in the lab. These include: the rate of oxygen output - What Factors Affect The Rate Of Photosynthesis