

# Download What Does Rubisco Do

C<sub>3</sub> Photosynthesis Plants which use only the Calvin cycle for fixing the carbon dioxide from the air are known as C<sub>3</sub> plants. In the first step of the cycle CO<sub>2</sub> reacts with RuBP to produce two 3-carbon molecules of 3-phosphoglyceric acid (3-PGA). In photosynthetic bacteria, the proteins that gather light for photosynthesis are embedded in cell membranes. In its simplest form, this involves the membrane surrounding the cell itself. However, the membrane may be tightly folded into cylindrical sheets called thylakoids, or bunched up into round vesicles called intracytoplasmic membranes ...6 OCR 2017 8 RuBisCO is an enzyme that fixes carbon dioxide in photosynthesis. In some conditions, RuBisCO also carries out oxygen fixation. The graph below shows how the carbon dioxide and oxygen fixing activities of RuBisCO are Fosforylacja niecykliczna. Energia kwantów światła przekazana do centrum reakcji fotosyntezy II powoduje wybicie elektronu. Elektron jest przekazywany przez cząsteczkę feofityny, a następnie poprzez cząsteczki plastochinonu połączone z białkami na wolny plastochinol.