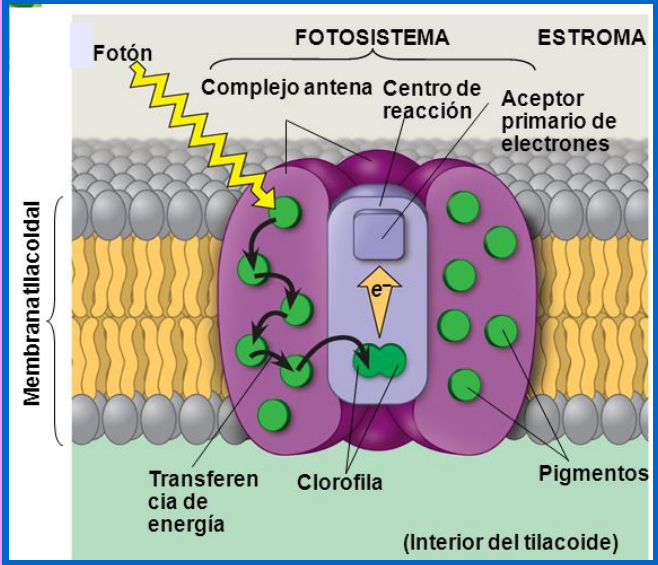
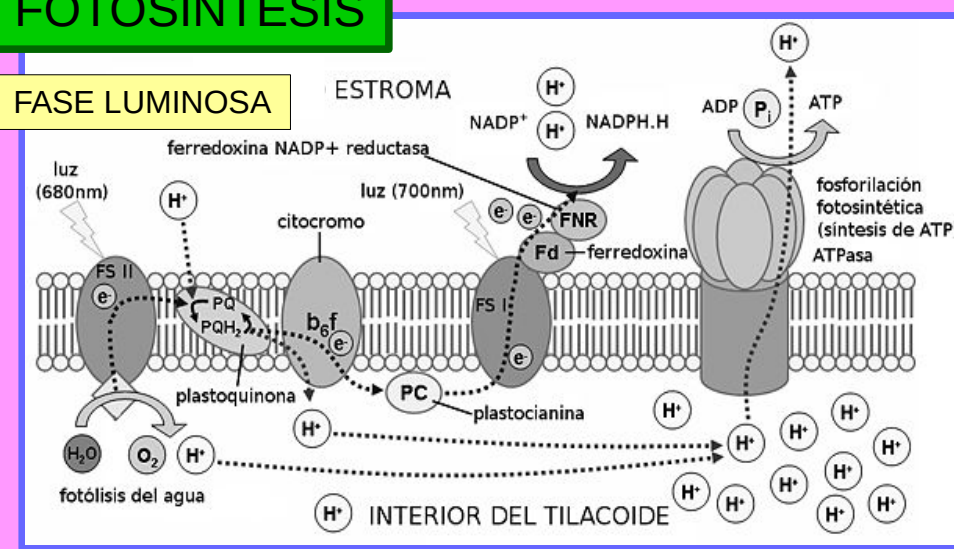


# FOTOSÍNTESIS

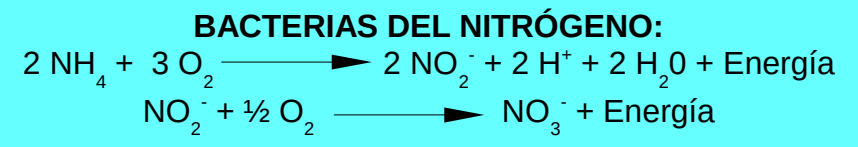
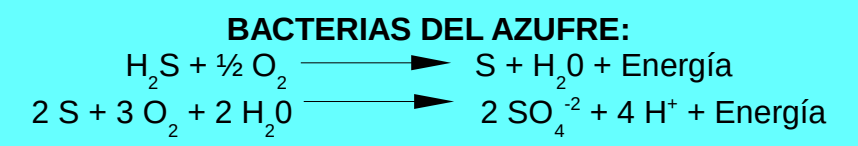


## FASE LUMINOSA

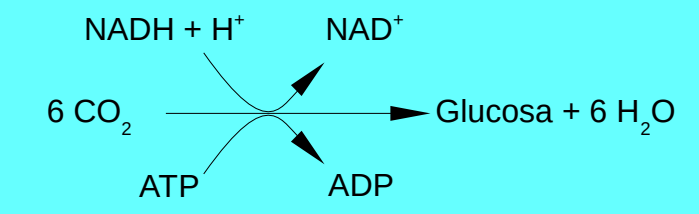


# QUIMIOSÍNTESIS

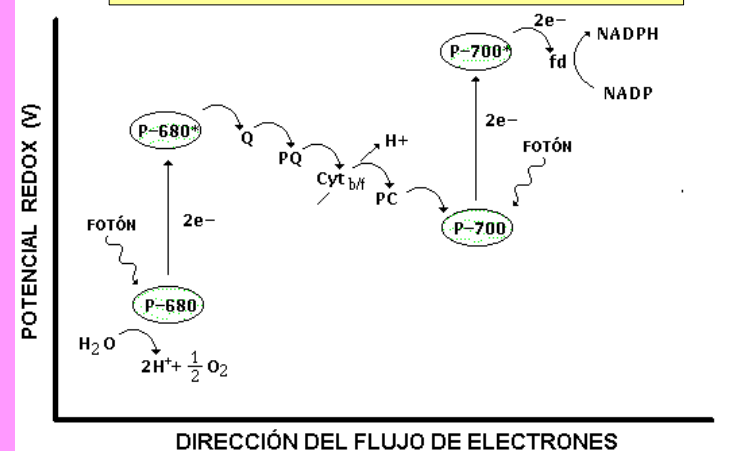
## FASE DE OBTENCIÓN DE ATP Y NADH



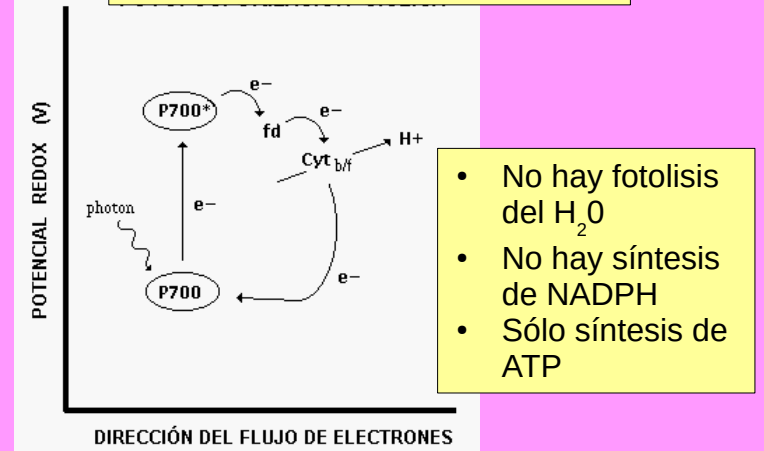
## FASE DE SÍNTESIS DE COMPUESTOS ORGÁNICOS



## FOTOFOSFORILACIÓN NO CÍCLICA

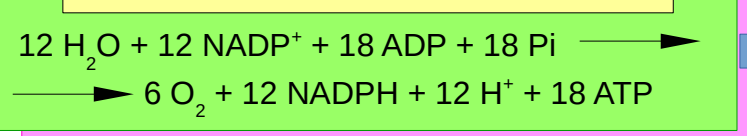


## FOTOFOSFORILACIÓN CÍCLICA

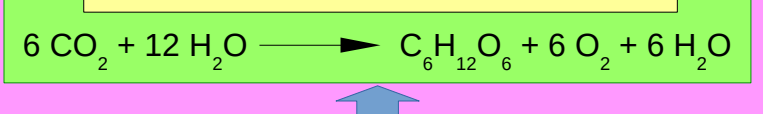


- No hay fotólisis del H<sub>2</sub>O
- No hay síntesis de NADPH
- Sólo síntesis de ATP

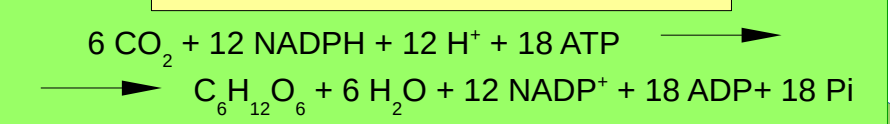
## ECUACIÓN GLOBAL FASE LUMINOSA



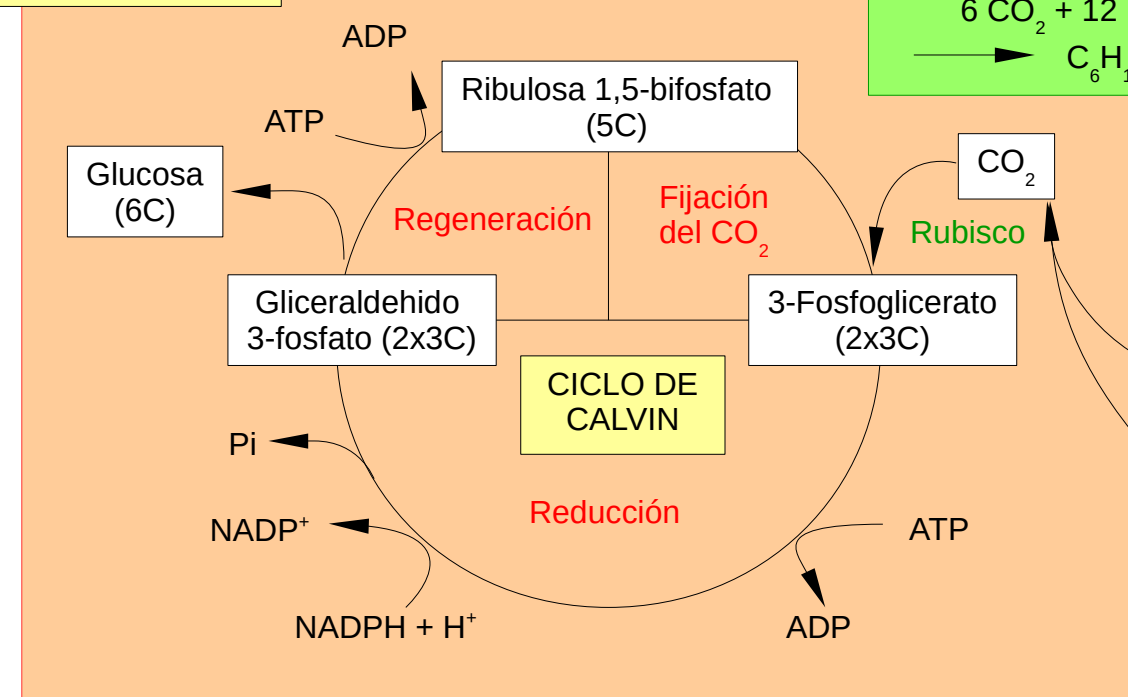
## ECUACIÓN GLOBAL FOTOSÍNTESIS



## ECUACIÓN GLOBAL FASE OSCURA



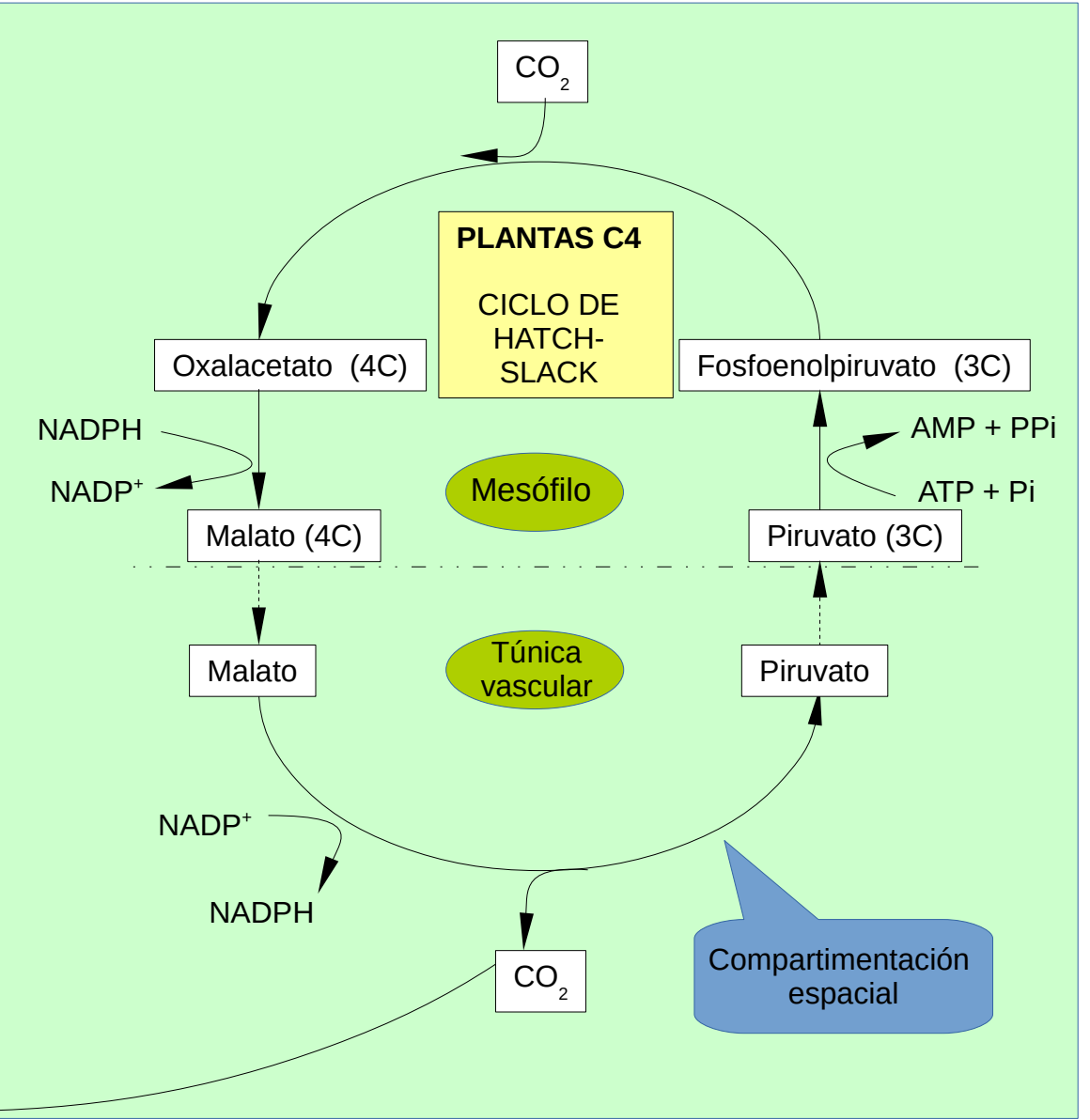
## FASE OSCURA



**PLANTAS CAM**

- DE NOCHE abren estomas, fijan CO<sub>2</sub> y acumulan malato en vacuolas.
- DE DÍA cierran estomas y el malato libera CO<sub>2</sub>.

Compartimentación temporal



Compartimentación espacial