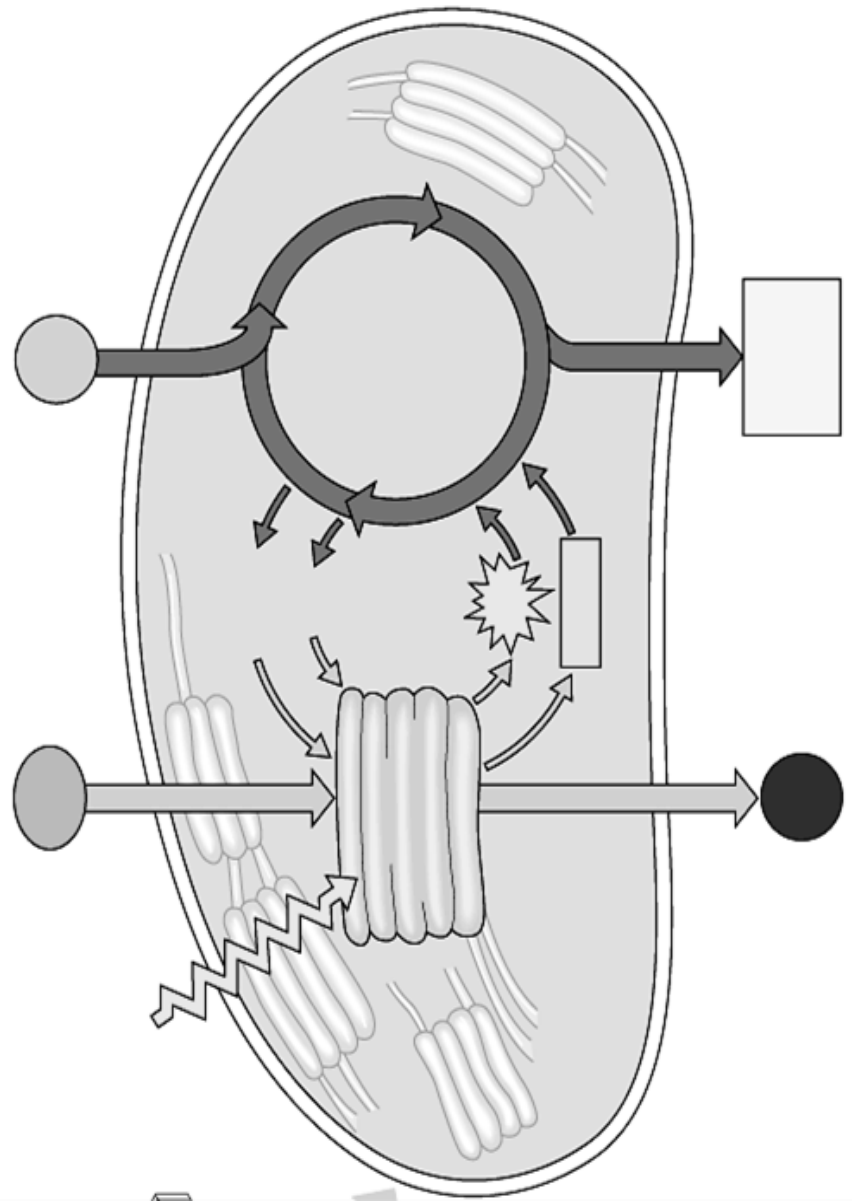


PHOTOSYNTHESIS

NAME: _____



The high energy electrons and H^+ are combined with CO_2 (carbon dioxide) in 6 rotations to make $C_6H_{12}O_6$ (glucose)

NAME: _____

Directions: Put the following events in order on the first page!

High energy electrons and the H^+ (hydrogen) from water are carried to the stroma to be used for the light-independent reaction (Calvin Cycle)

Chlorophyll inside of the chloroplast captures the light energy.

Sunlight hits the leaf

Water is split, giving off O_2 (oxygen)

Glucose is the high energy carbohydrate produced at the end of photosynthesis

The second stage the light independent reaction or Calvin Cycle occurs in the stroma

Low energy electrons are returned to the thylakoid to start all over again

The first stage the light dependent reaction occurs in the thylakoids