

Name : _____

Light Reaction vs Dark Reaction

Light Reaction	Dark Reaction (Calvin-Benson Cycle)
This is a light-dependent reaction.	independent reaction.
Light energy is absorbed.	in the atmosphere is absorbed.
It occurs in the thylakoid membrane of the chloroplast.	in the stroma of the chloroplast.
The reaction involves chlorophyll.	does not involve chlorophyll.
Oxygen is released.	NADP+ is reduced.
Photolysis of water occurs.	water does not occur.
Photochemical reaction occurs.	Thermochemical reaction occurs.
ATP and NADPH are the end products.	Uses the end products of light reactions to produce glucose.

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