



www.CrosswordWeaver.com

ACROSS

- 2 result of light absorption by an electron
- 4 leaf pore that controls gas exchange
- 5 'anchor' of chlorophyll in thylakoid membrane
- 9 light absorbing part of chlorophyll
- 11 Fluorescence _____ when photosynthesis is inhibited
- 12 photosynthesis causes _____ of carbon dioxide associated with the growing season
- 15 complexes in chloroplast that contain pigments, proteins and reactive centers
- 17 How is the 'battery' charged in the light reactions?
- 22 colors of light absorbed by chlorophyll
- 23 source of oxygen gas in the light reactions
- 24 spectrum showing how wavelengths of light affect photosynthesis
- 25 stack of membranes in chloroplast
- 26 pigment complex that helps funnel light to photosystems
- 27 accessory (helper) pigment in

photosynthesis

- 28 molecule that stores energy in light reactions
- 29 metabolic pathway that converts carbon dioxide into sugars
- 30 largest global store of carbon is found in the _____
- 31 product of photosynthesis

DOWN

- 1 mineral needed for chlorophyll function
- 3 How much energy in a photon is transferred to an electron during light absorption?
- 6 photosynthesis causes a _____ of atmospheric carbon dioxide
- 7 space where protons are accumulated during light reactions
- 8 absorption 'fingerprint' associated with a particular molecule
- 10 reaction chamber where photosynthesis is studied
- 13 Where is chlorophyll found in the leaf?
- 14 site of Calvin Cycle in chloroplast
- 16 site of light reactions in

chloroplast

- 18 Location for energy conservation as a reduced acceptor in the thylakoid
- 19 key carbon fixing enzyme
- 20 leaf cell where most photosynthesis happens
- 21 longer wavelength light emitted as an electron returns to the ground state

Solution:

