

## ACROSS

- 3 Organisms that depend on others for their source of organic matter
- 9 Electron transfer occurs from affinity
- 10 A negative free energy results in this type of reaction
  11 Conversion of solar energy to chemical
- energy in plants

  18 Site of the citric acid cycle

- 1 Enzyme catalyzing electron transfer with a proton
- 2 Metabolism without using oxygen as the final electron acceptor
- 4 Electron acceptor in a redox reaction
- 5 Organelle of photosynthesis
- 6 The first stage of glucose metabolism that takes place in the cytoplasm

tom Crossword Puzzle

http://www.variety-games.com/CW/Puzzles/1822097761-puzzle.htm

- 20 Molecules that absorb visible light
- 21 H+ gradient coupling the electron transport chain and ATP synthesis
- 24 One of the byproducts of cellular respiration
- 25 To start the citric acid cycle, pyruvate is first converted to this.
- 7 Pores in leaves for gas and water vapor exchange
- 8 Key enzyme of glycolysis
- 12 Site of light reactions
- 13 Compound generated at the end of glycolysis
- 14 Molecule that is oxidized during photosynthesis
- 15 Loss of electrons
- 16 Gain of an electron
- 17 The ultimate electron acceptor in the ETC
- 19 Folds that increase the surface area of the mitochondrial membrane
- 22 Site of carbon fixation in plants
- 23 Electron carriers produced during glycolysis

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