

Pigment	3	2	Carbon dioxide	NADH
Heterotroph	Animals and bacteria	Photosynthesis	Light independent	6
NAD	P700	FREE	Plants and yeast	ADP NADP
Light energy	Ethanol	Palisade mesophyll	Anaerobic	Glucose and Oxygen
Oxidation	Glycolysis	Mitochondria	Granum	P680

NAD	Cytoplasm	Palisade mesophyll	Ethanol	Chloroplast
Krebs Cycle	Glucose and Oxygen	Chlorophyll	ATP	Aerobic
Light dependent reactions	Heterotroph	FREE	Green light	ADP
ATP and NADPH	NADP	ADP NADP	Photosynthesis	6
Plants and yeast	Photolysis	38	Light energy	NADH

Krebs Cycle	ADP	Glucose	Light dependent reactions	Palisade mesophyll
Glycogen	Heterotroph	Animals and bacteria	Carbon dioxide	Matrix
Pyruvate	NADPH	FREE	NAD	Light independent
Oxygen	ATP	Alcohol fermentation	Mitochondria	Lactic acid fermentation
38	Ethanol	2	Green light	Anaerobic