

Classification of bacteria based on their energy and nutrient sources

Description		C-source	Energy source	Example of microbial group
Heterotroph	Photoheterotroph	Preformed organic molecules e.g. sugars	Sunlight	Purple non-sulfur bacteria
	chemolithoheterotroph	Preformed organic molecules e.g. sugars	Oxidation of inorganic compounds e.g. H ₂ S	
	chemoorganoheterotroph	Preformed organic molecules e.g. sugars	Oxidation of organic compounds	
Autotroph (lithotroph)	Photoautotroph	Carbon dioxide	Sunlight	methanogens
	Chemoautotroph	Carbon dioxide	Oxidation of inorganic compounds	