

Unit: Cellular Energy Processes (Ch. 8-9)

"I can..."

- _____ *compare and contrast* photosynthesis and cell respiration.
- _____ *identify* the organelles where photosynthesis and cell respiration take place.
- _____ *classify* organisms as autotrophs or heterotrophs.
- _____ *identify* the products and reactants of the process of photosynthesis and cell respiration at each cycle.
- _____ *interpret* graphs relating to photosynthesis and cell respiration.
- _____ *explain* what makes the colors in leaves.
- _____ *explain* how an organism can get energy in the absence of O₂.

Essential Vocabulary/Concepts:

aerobic respiration
anaerobic respiration
ATP
autotroph
Calvin Cycle
cell respiration
chemosynthesis
chlorophyll
chloroplast
electron transport chain
citric acid

fermentation
glycolysis
heterotroph
Kreb's Cycle
light dependent reaction
light independent reaction
mitochondria
photosynthesis
photosystem
pigment

