

PHOTOSYNTHESIS & CELLULAR RESPIRATION POSTER PROJECT

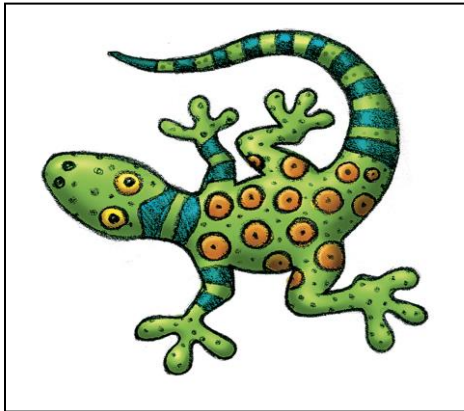
Directions:

- Design a poster which illustrates the processes of photosynthesis and cellular respiration and the *connections between the two*.

- You can show the relationship between the two in whatever manner you would like (mitochondria/chloroplast, animal/plant, etc).



Poster Requirements.....



Terms to include in the poster:

(these terms must be on the poster and may be used more than once)

Carbon Dioxide (CO₂)

Oxygen (O₂)

Glucose (C₆H₁₂O₆)

Sun

Light Energy

Water (H₂O)

ATP

Locations to identify and include in the poster:

Light Dependent Reaction

Light Independent Reaction (Calvin Cycle)

Krebs Cycle (Citric Acid Cycle)

Electron Transport Chain

Glycolysis

Chloroplast

Mitochondria

Stroma

Thylakoid

Matrix

Inner Membrane of Mitochondria

Cytoplasm

Somewhere on your poster...

Make sure to include *chemical equations* for photosynthesis and cellular respiration on your poster.

On the back of your poster...

Summarize the connection between the two processes, photosynthesis and cellular respiration.

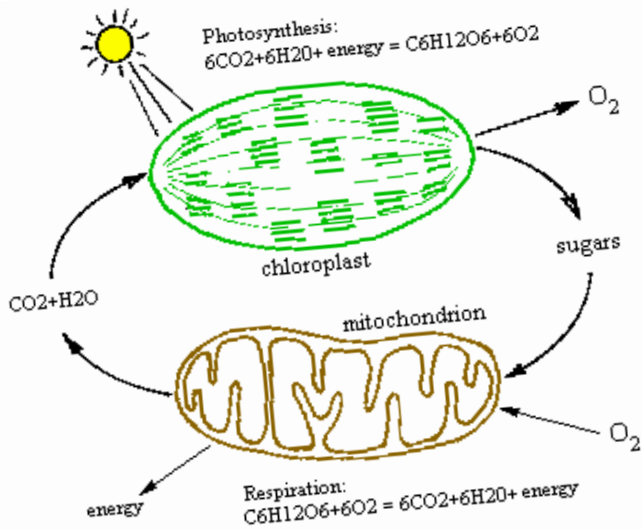


Figure 16 - With the photosynthesis, the solar energy is cumulated by the chloroplasts as sugar molecules. With the glycolysis and the respiration, made by mitochondria, the energy is liberated and supplied to the cell for its biochemical processes.

