

**Curriculum Unit
Title**

Where did the light go?

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KEY LEARNING, ENDURING UNDERSTANDING, ETC.

Students model and explore conservation of matter and conservation of energy studying life processes and energy transfer between trophic levels.

ESSENTIAL QUESTION(S) for the UNIT

How is energy conserved in metabolic and life processes as well as in food webs?

CONCEPT A

Photosynthesis

CONCEPT B

Cellular Respiration

CONCEPT C

Food Webs

ESSENTIAL QUESTIONS A

How are energy and matter conserved through the process of photosynthesis?

ESSENTIAL QUESTIONS B

How are energy and matter conserved through the process of cellular respiration?

ESSENTIAL QUESTIONS C

How are matter and energy conserved in ecosystems when moving up trophic levels?

VOCABULARY A

Photosynthesis
Stoma
Chloroplast

VOCABULARY A

Cellular respiration
Mitochondria

VOCABULARY A

Trophic level
Consumer
Producer
Autotroph
Heterotroph

ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES

Empty box for additional information, material, text, film, or resources.