

ATI TEAS 7 Science Terms and Definitions

Term: <i>cellular energy</i>	Definition: <i>Photosynthesis & cellular respiration results in formation of _____ for an organism</i>
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Term: <i>Photosynthesis</i>	Definition: <i>is the process carried out by green plants, green algae & certain bacteria, which energy from the sunlight is trapped by green pigment Chlorophyll & use for synthesis of glucose</i>
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Term: <i>Chlorophyll</i>	Definition: <i>Green pigment in plants</i>
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Term: <i>chloroplast</i>	Definition: <i>these organisms are able to carry out photosynthesis due to specialized organelle</i>
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Term: <i>adenosine triphosphate (ATP)</i>	Definition: <i>In chloroplast, carbon dioxide, water & energy from the sun are used to produce ?</i>
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Term:

ATP

Definition:

 is cellular fuel that provide energy to produce glucose from carbon dioxide, water & liberation O₂

Term:

autotroph

Definition:

Organism that is able to produce its own food & use photosynthesis to live

Term:

Cellular respiration

Definition:

 uses 1 end products of photosynthesis, glucose to produce ATP for cells

Term:

Heterotrophs

Definition:

cellular respiration is used by . They cannot produce their own food.

Term:

Glycolysis

Definition:

During cellular respiration, glucose is broken down by the process of which transfers some of the energy in glucose to ATP.

Term:

Citric Acid cycle

Definition:

End - product of glycolysis are fed into _____ (Krebs cycle), to produce more ATP

Term:

Glycolysis & Citric acid cycle

Definition:

Together _____ & _____ constitute cellular respiration (cells use mitochondria to carry out this cycle. During this process, oxygen is used up, while both water & carbon dioxide are formed as by products. Carbon dioxide is expelled, but can used by autotrophs during photosynthesis.

Term:

Photosynthesis

Definition:

Chemical equation for cellular respiration is the reverse of that of

Term:

chloroplast

Definition:

A new type of Algae has been discovered to determine whether or not this algae is an autotroph, the scientist should observe for which of the following?