

HOW DOES PHOTOSYNTHESIS WORK ?

Photosynthesis is a natural process by which green trees and plants use energy from the sun to transform water, carbon dioxide and minerals into organic compounds for their growth and oxygen which is released.

Photosynthesis begins when green plants absorb water through roots and carry it to needles or leaves. At the same time, needles and leaves absorb carbon dioxide from the air. It then flows to plant cells called chloroplasts that contain chlorophyll. Chlorophyll uses sunlight as energy to transform carbon dioxide and water into oxygen and carbon-based compounds such as glucose. As the plant grows, it releases oxygen into the atmosphere.

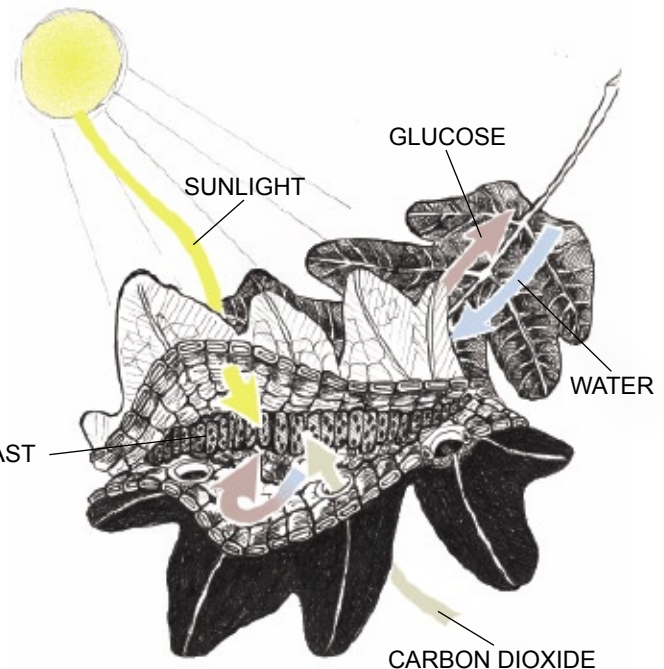
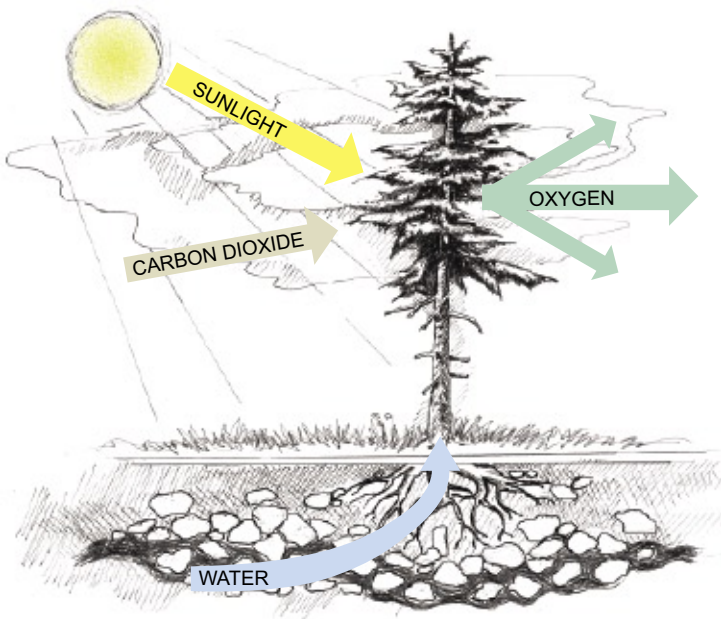


PHOTOSYNTHESIS REQUIRES:

- Carbon dioxide
- Water
- Sunlight
- Chlorophyll

PHOTOSYNTHESIS PRODUCES:

- Oxygen
- Carbon-based compounds (such as glucose)



Photosynthesis provides us with most of the oxygen we breathe.



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Oregon's Legislature created the Oregon Forest Resources Institute to improve public understanding of Oregon's forest resources and to encourage sound forest practices

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