



Jan van Helmont
AD 1577 – AD 1644

Flemish chemist and physician who studied spontaneous generation. van Helmont performed a five-year experiment that showed how plants obtain some of their matter from the atmosphere as they grow.



Jan Ingenhousz
AD 1730 – AD 1799

Dutch physiologist, biologist, chemist who showed that light was essential to plant cellular respiration.



Joseph Priestley
AD 1733 – AD 1804

English theologian, chemist, who discovered oxygen, wrote a history of electricity, and realized that animals used oxygen to survive.



Julius van Sachs
AD 1832 – AD 1897

German botanist who realized that chlorophyll could catalyze oxygen and water to create starches.



Theodor Wilhelm Englemann
AD 1843 – AD 1909

German botanist and microbiologist who measured the effects of different colors of light on photosynthesis and showed that the activity occurred in the chloroplast.



Fritz Albert Lipmann
AD 1899 – AD 1986

German-American biochemist and co-discoverer of coenzyme A, a critical factor in the process of cellular respiration.



Hans Adolf Krebs
AD 1900 – AD 1981

German-born British physician and biochemist who discovered the urea and citric acid metabolic cycles.

Melvin Calvin
AD 1911 – AD 1997

American biochemist who led the team at the University of California, Berkeley lab that discovered the Calvin cycle explaining how cells store energy during photosynthesis.

AD 1600

AD 1625

AD 1650

AD 1675

AD 1700

AD 1725

AD 1750

AD 1775

AD 1800

AD 1825

AD 1850

AD 1875

AD 1900

AD 1925

AD 1950