

Download Chemical Reactions Discussion Guide

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A lemon battery is a simple battery often made for the purpose of education. Typically, a piece of zinc metal (such as a galvanized nail) and a piece of copper (such as a penny) are inserted into a lemon and connected by wires.

Power generated by reaction of the metals is used to power a small device such as a light emitting diode (LED).

The lemon battery is similar to the first electrical ...View the most recent ACS Editors' Choice articles from

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reviewed research article from any ACS journal, selected daily, and made open access based on

recommendations by ACS journal scientific editors from around the world.Oxygen is the chemical element with

the symbol O and atomic number 8. It is a member of the chalcogen group on the periodic table, a highly

reactive nonmetal, and an oxidizing agent that readily forms oxides with most elements as well as with other

compounds.By mass, oxygen is the third-most abundant element in the universe, after hydrogen and helium.At

standard temperature and pressure, two ...