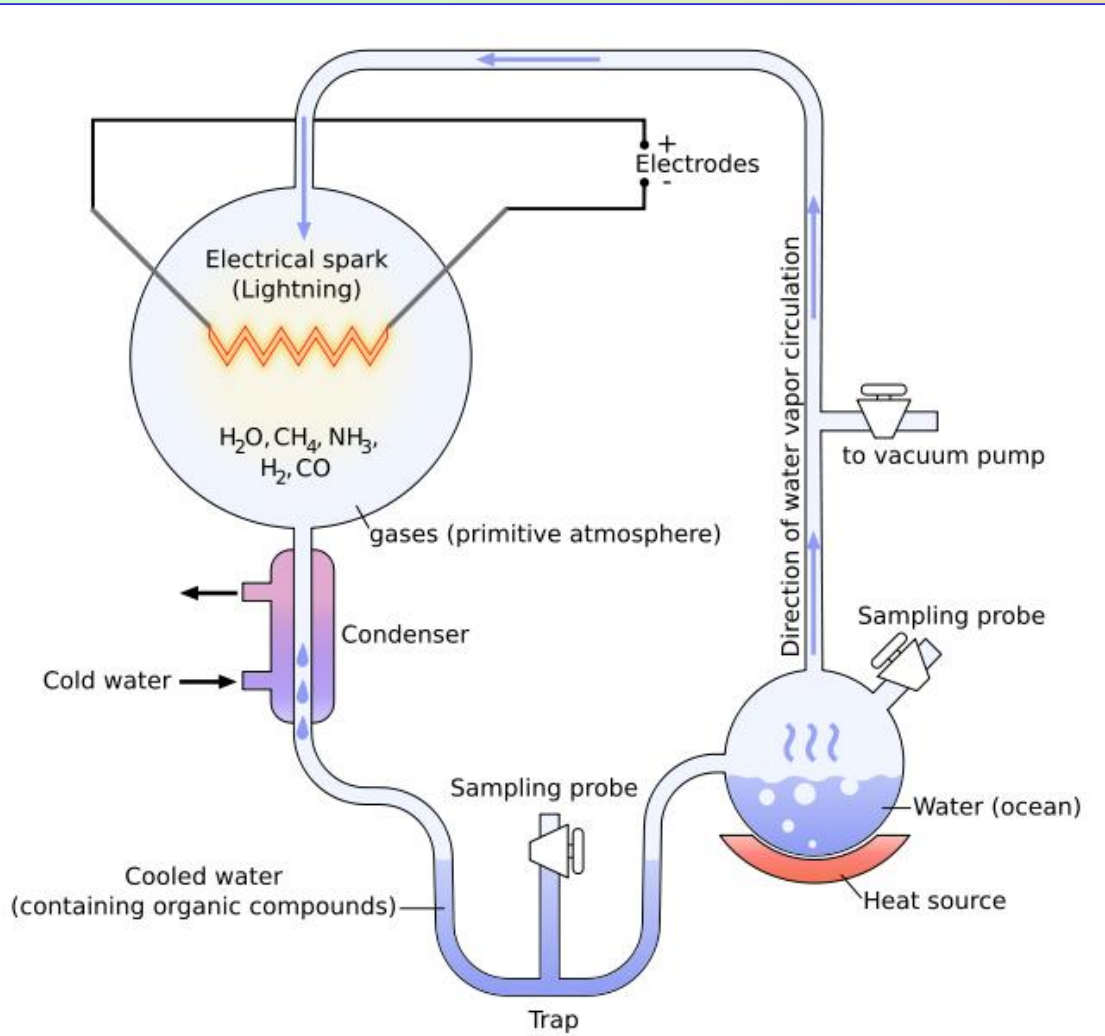


# The Urey-Miller Experiment



[http://upload.wikimedia.org/wikipedia/commons/thumb/5/54/Miller-Urey\\_experiment-en.svg/644px-Miller-Urey\\_experiment-en.svg.png](http://upload.wikimedia.org/wikipedia/commons/thumb/5/54/Miller-Urey_experiment-en.svg/644px-Miller-Urey_experiment-en.svg.png)

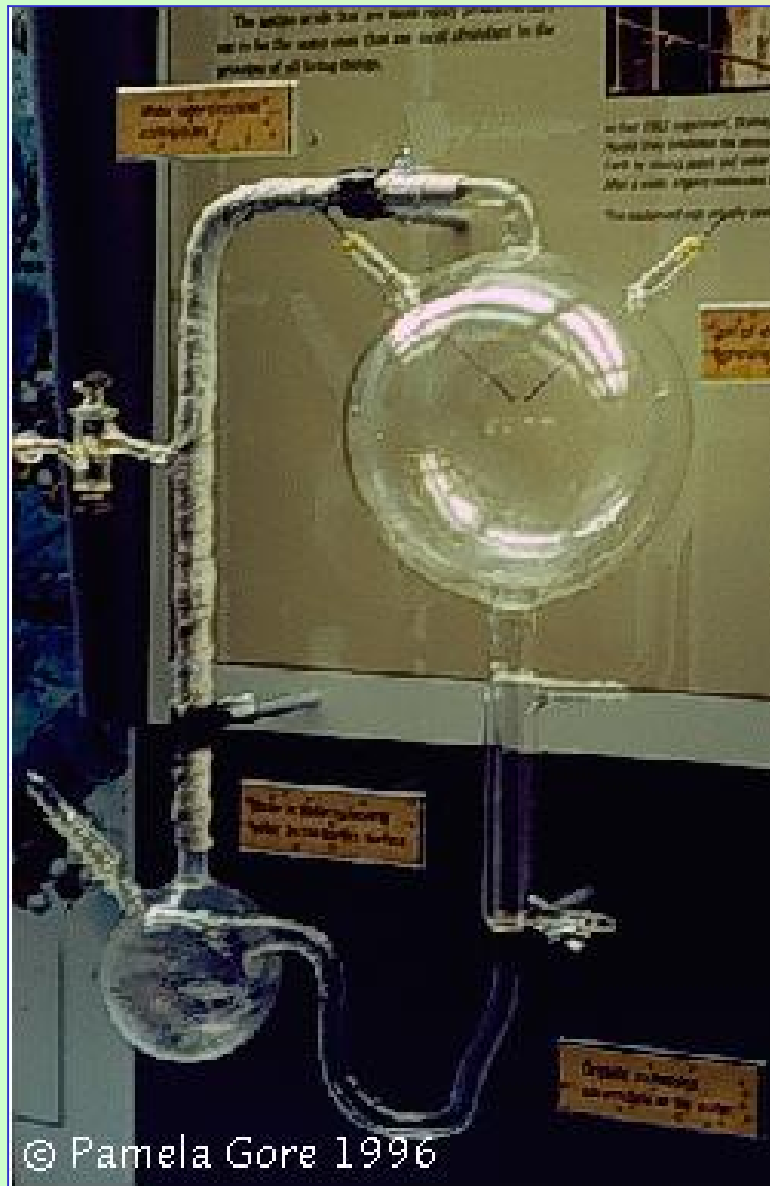
## Introduction

The Urey-Miller experiment was an experiment that simulated hypothetical conditions at the time to be present on the early Earth.



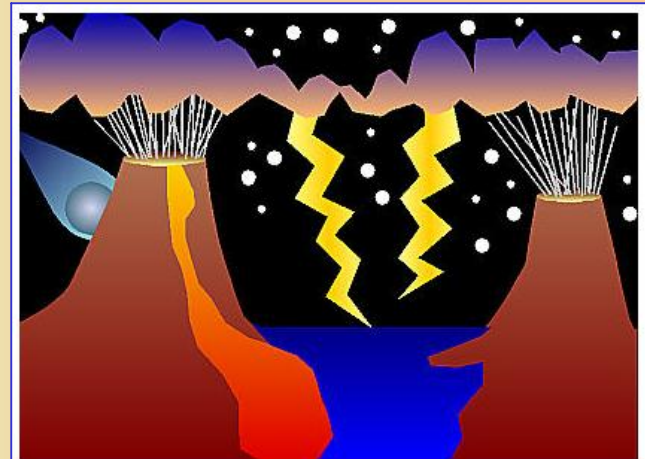
<http://evolutionspace.files.wordpress.com/2007/05/0507-stanmiller01.jpg>

# The Urey-Miller Experiment



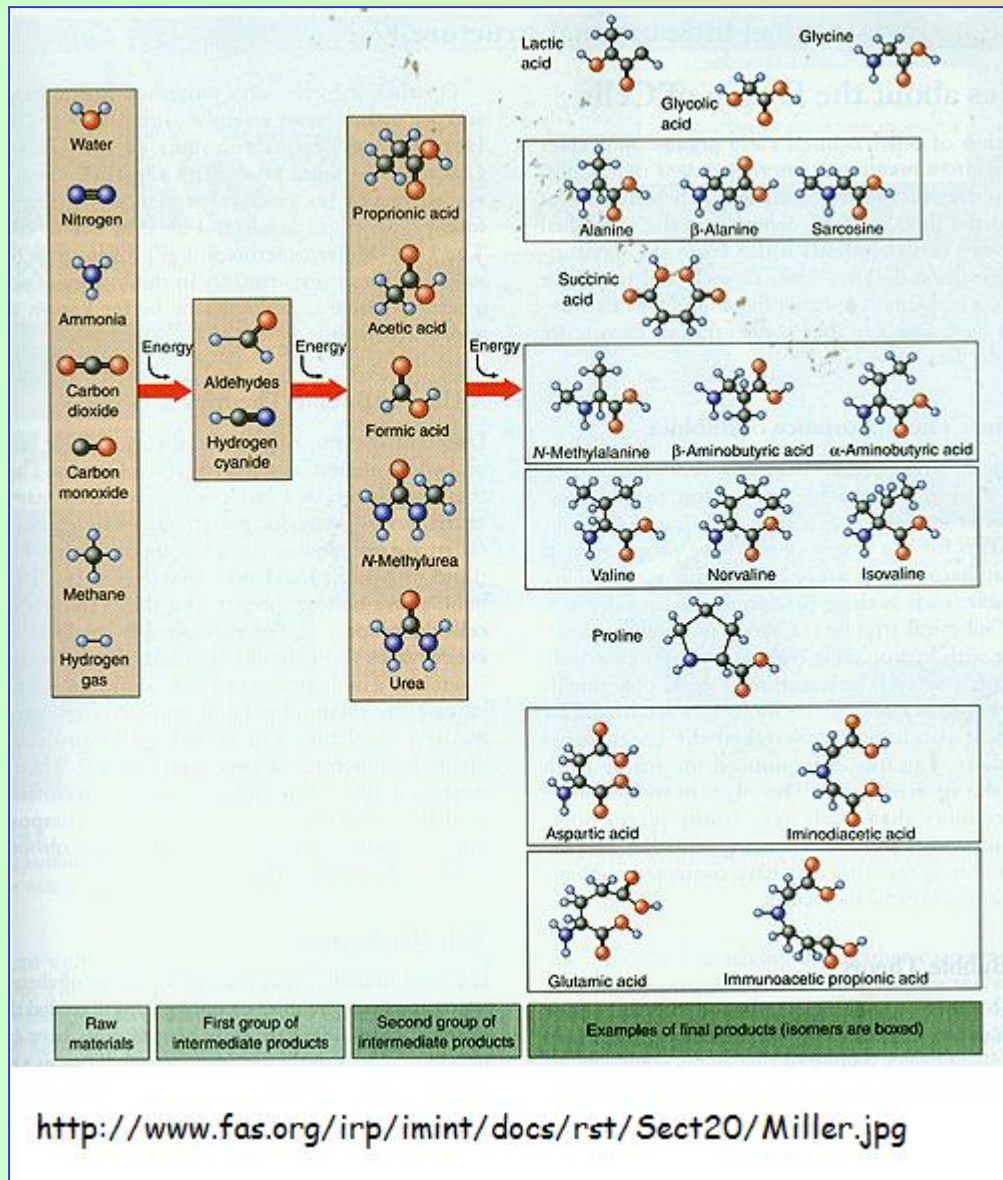
## Introduction

The experiment tested Soviet scientist Alexander Oparin's and Haldane's hypothesis that conditions on the primitive Earth favored chemical reactions that synthesized organic compounds from inorganic precursors.



<http://planet.uwc.ac.za/nisl/Biodiversity/LOE/images/pic015.jpg>

# The Urey-Miller Experiment



## New perspectives

Re-analysis published in October 2008 of material from the experiments showed 22 amino acids were created in one apparatus.

In particular, the experiment that was thought to simulate a volcanic eruption was examined.

# The Urey-Miller Experiment

## New perspectives

These new results provide stronger evidence that biological molecules can form from simple reactants.

