

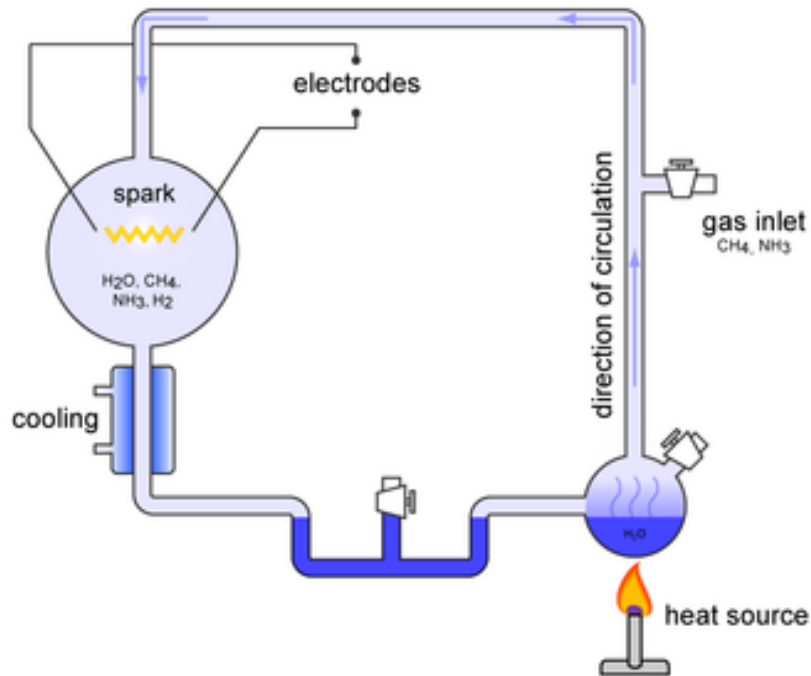
1.5 Origin of Cells

Synthesis of Life

Describe the four processes needed for the spontaneous origin of life on Earth

1.
2.
3.
4.

Outline, with the aid of the diagram, the Miller-Urey experiment into the origins of organic compounds



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Identify the conditions needed for the non-living synthesis of organic matter (and potential locations)

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Outline the evidence from Pasteur's experiments that demonstrates that abiogenesis no longer occurs

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Outline two properties of RNA that would have allowed it to play a role in the formation of life

1.
2.

Endosymbiosis

Describe the process of endosymbiosis and how it led to the evolution of eukaryotic cells



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Outline the evidence supporting the theory of endosymbiosis

Component	Evidence
Membranes	
Antibiotics	
Division	
DNA	
Ribosomes	

