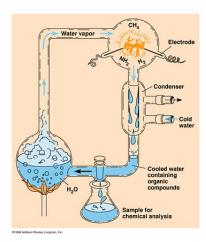
Bio I Notes: Evolution of the Cell
Spontaneous generation:
Disproving spontaneous generation • Francesco Redi (1688):
• Louis Pasteur (mid-1800s):
Biogenesis:
Characteristics of life 1.
2.
3.
4.
5.
Hypothesis : Life on Earth developed from nonliving materials that became ordered into molecular particles that eventually became capable of reproduction.
Steps in the evolution of the cell: 1.
2.
3.
4.

Conditions of early Earth

• Stanley Miller and Harold Urey:



 $Complex \ organic \ compounds \ formed \rightarrow Protocell$

• Sidney Fox:

Heterotrophic, prokaryotic organisms:

Autotrophic, prokaryotic organisms:

Eukaryotic organisms

• Lynn Margulis – Endosymbiont Theory:

