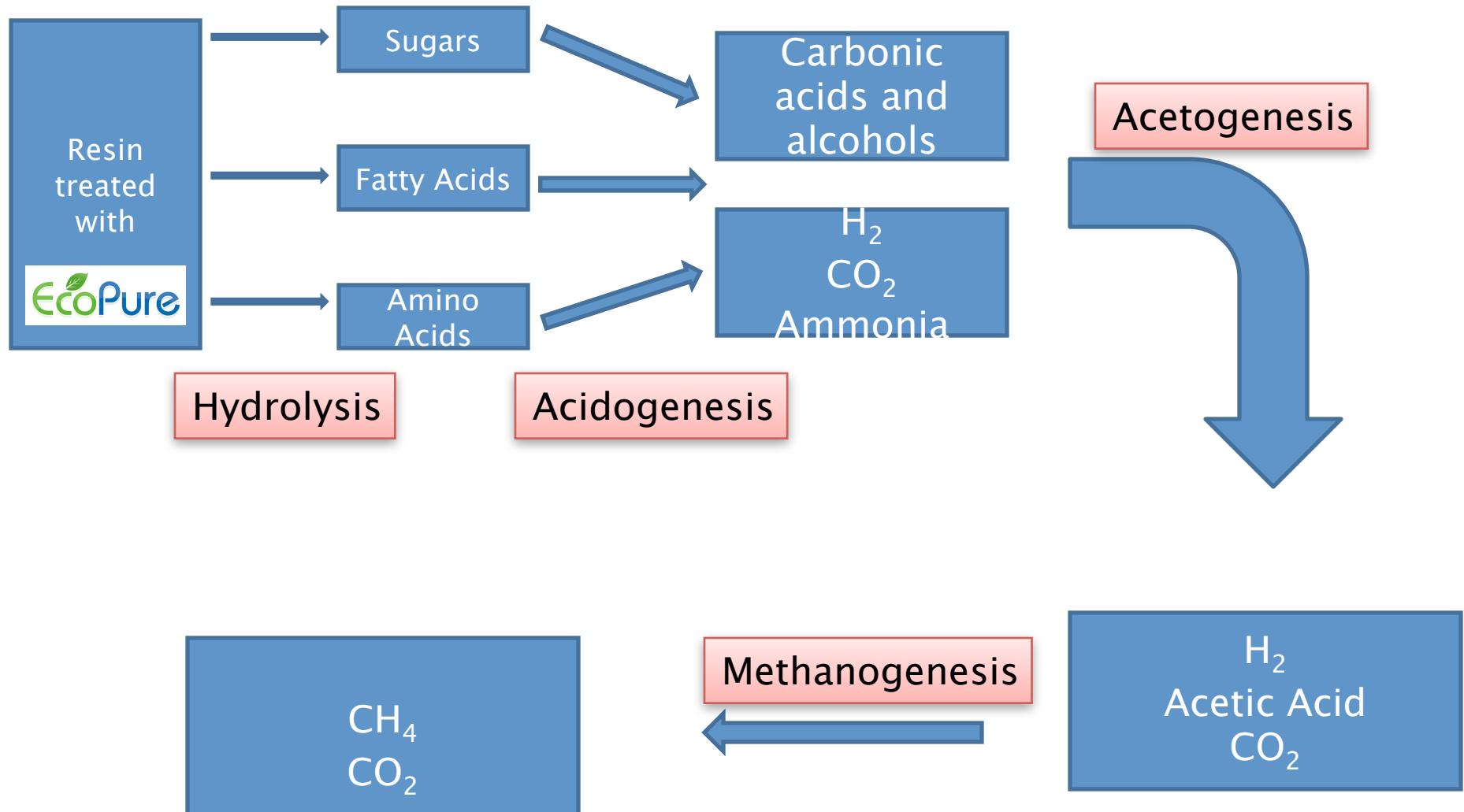


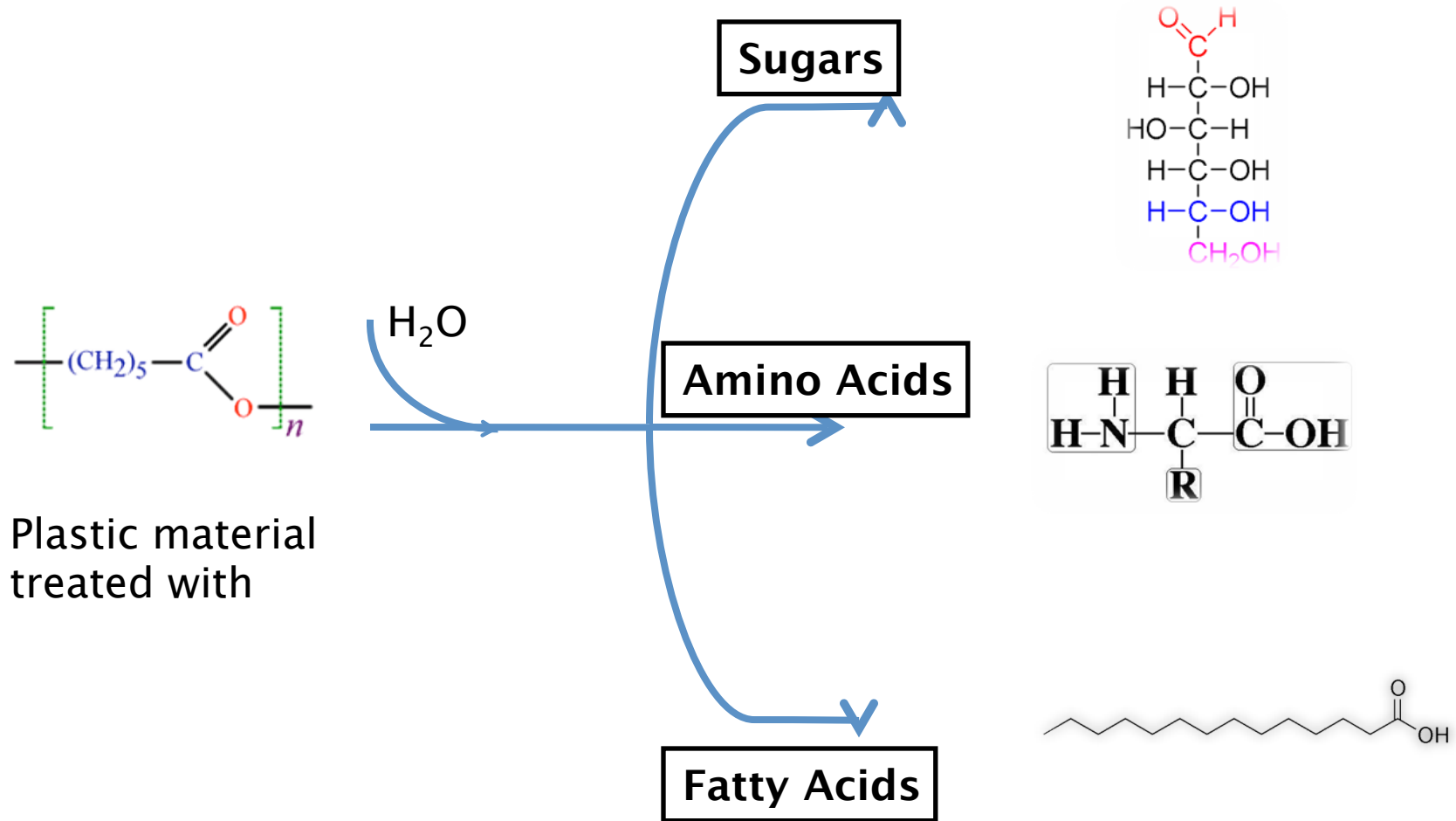


Technical Presentation for the
breakdown of plastics using EcoPure™

Pathway of anaerobic microbial metabolism of EcoPure mixed resins.

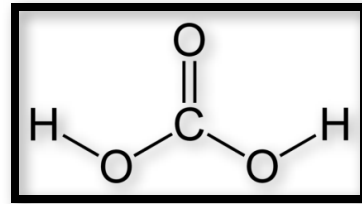


Hydrolysis: A chemical reaction where particulates are solubilized and large polymers are converted into simpler monomers.

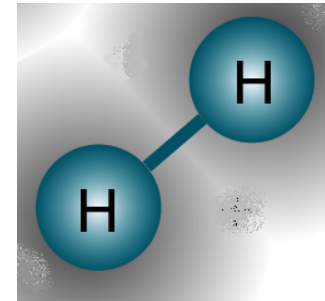


Acidogenesis: A biological reaction where simple monomers are converted into volatile acids.

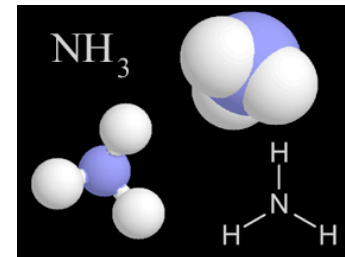
EcoPure



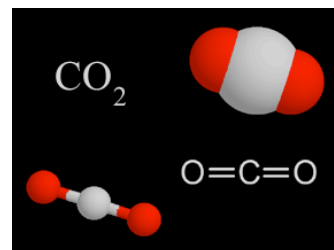
Carbonic Acids



Hydrogen

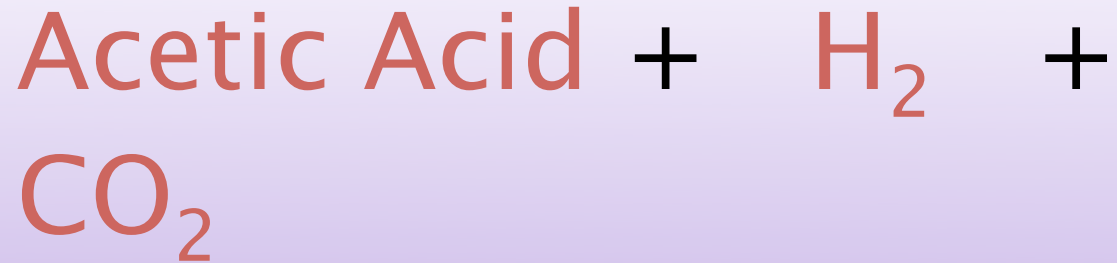


Ammonia

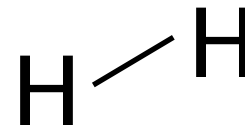
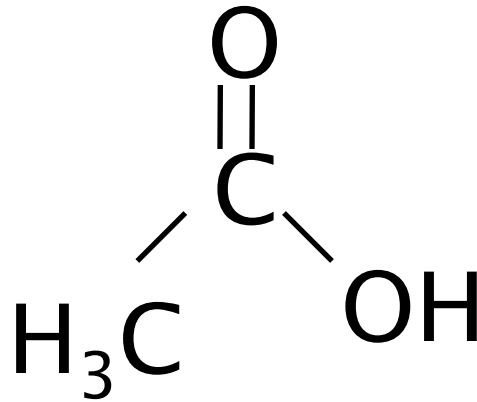


Carbon Dioxide

Acetogenesis: An anaerobic microbial process where volatile acids are converted into acetic acid, carbon dioxide, and hydrogen.



Carbonic Acid
Hydrogen
Carbon Dioxide
Ammonia



Methanogenesis: This is the final stage in microbial metabolism when acetate molecules are converted into methane and carbon dioxide.

