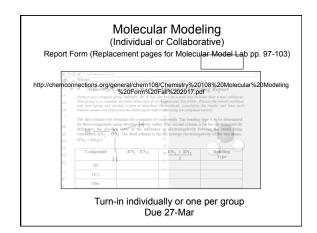
Chem 108: Lab Week 9

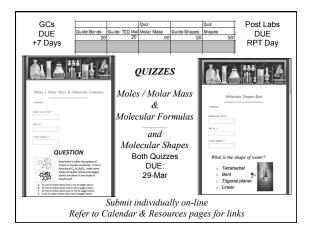
Sign in Pick up handouts with a scantron Sit at your lab station

i.e. where your lab drawer is located

Today's Experiments: Chemical Reactions I & II Select a partner; Procedures pg. 62 & pp.44-45 Chemical Reactions I: Fermentation, Synthesis of Ethanol Chemical Reactions II: General Reactions

Both sets of procedures are to be completed today





Chemical Reactions I & II

Select a partner; Lab Manual pp.44-45. & pg. 62

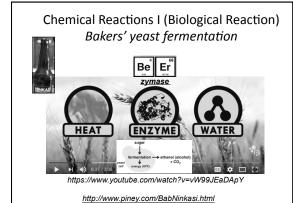
Do Today

- **⇔**Combination (Synthesis)
- **✿**Decomposition рр. 44-45
 - Single Displacement
 - ✿Double Displacement

 - Biological Reactions: Enzyme Catalysts
 - **☆**Fermentation pg. 62

✿Combustion: Oxidation-Reduction

http://www.piney.com/BabNinkasi.html)



Amino Acids & Enzymes

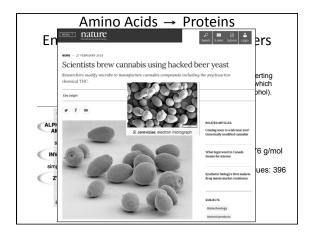
Pre-set Legos of Chemical Biology & Bio-catalysis

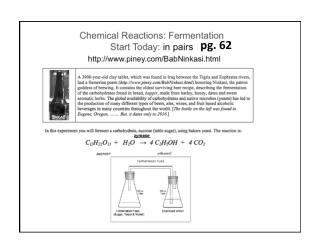
Amino acids contain carbon, hydrogen, oxygen, and nitrogen, which resemble the following shapes & structural components

•20 different amino acids are encoded in DNA providing a genetic code, an archive representing specific sequences of amino acids, which are linked together forming a specific protein.

•Hundreds of amino acids are linked together through amide (peptide) bonds to form these proteins, some of which, enzymes, provide the catalytic basis for the chemistry of life.

•There are less than 20,000 total proteins produced from humans' entire DNA genome, each coded for by a specific gene in DNA's ~3 billion genetic bases.





Chemical Reactions	s I
☆ Biological Reactions: Enzyme Fermentation pg. 62	e Catalysts
Report Form - Fermentation-Distillat Preparation of the solution	pg. 66
Mass, sucrose + container	
Mass, container	
Mass, sucrose*	
To Do Today	

