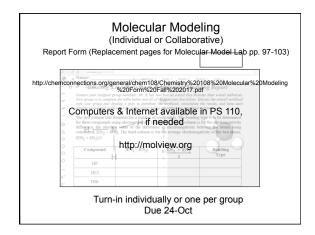
Chem 108: Lab Week 9

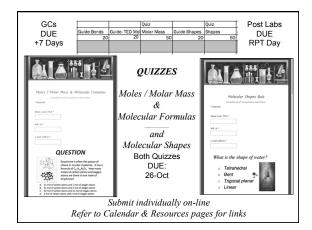
Sign in
Pick up papers & Handout
Sit at your lab station
i.e. where your lab drawer is located

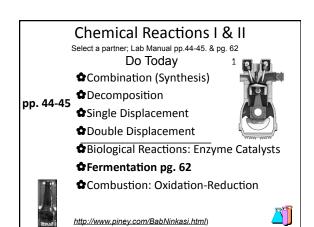
Today's Experiments: Chemical Reactions I & II

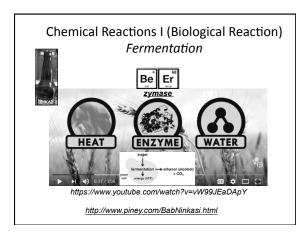
Chemical Reactions I: Fermentation, Synthesis of Ethanol Chemical Reactions II: General Reactions

Both sets of procedures are to be completed today

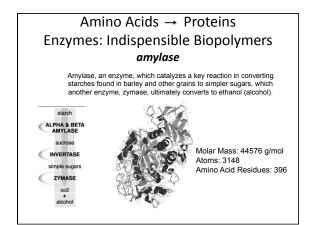


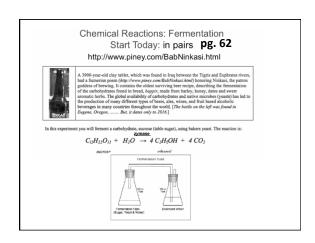




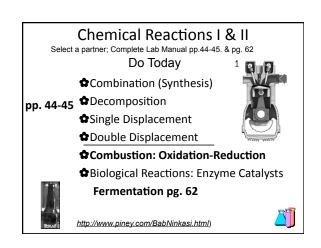


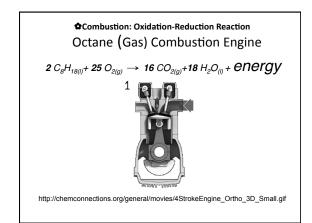
Amino Acids & Enzymes Legos of Chemical Biology & Bio-catalysis Amino acids contain carbon, hydrogen, oxygen, and nitrogen, which resemble the following shapes & structural components -20 different amino acids are encoded in DNA providing a genetic code, an archive representing specific sequences of 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.

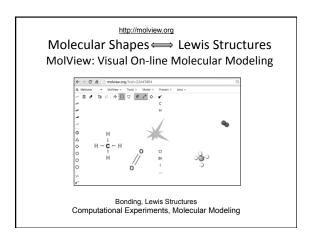


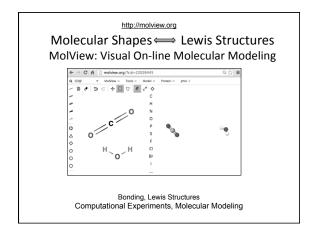


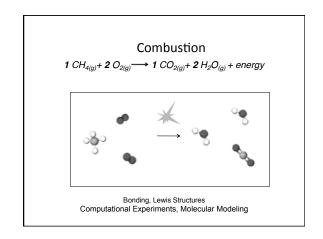
Chemical Reactions I	
♣ Biological Reactions: Enzyme Catalysts Fermentation pg. 62 Report Form - Fermentation-Distillation	
Preparation of the solution	pg. 66
Mass, sucrose + container	
Mass, container	
Mass, sucrose*	
To Do Today Have Dr. R. initial completed data pg. 66 before leaving lab	

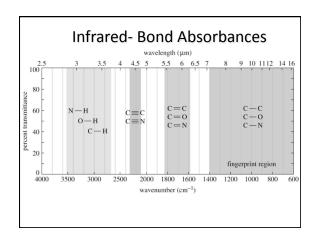


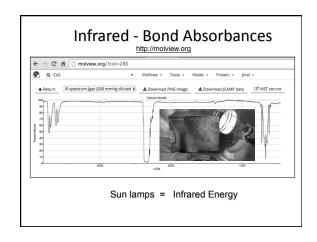


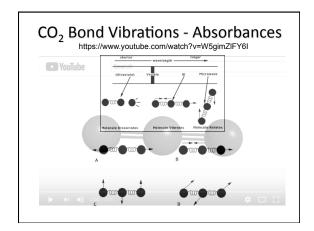


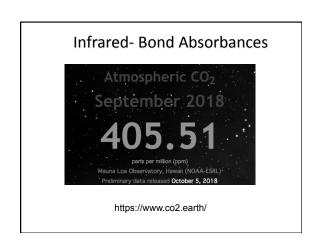


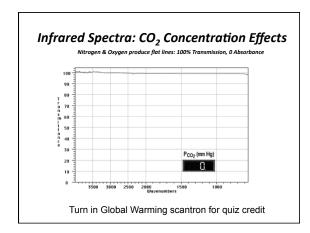












Chemical Reactions II

Each partner is to keep individual records & reports pp. 46-52

To Do today:

- **✿**Combination (Synthesis)
- **☆**Decomposition
- **✿**Single Displacement
- **✿**Double Displacement
- **☆**Combustion: Oxidation-Reduction
- **✿**Biological Reactions: Enzyme Catalysts

Have Dr. R. initial completed Lab Manual pp.46-47 plus pg. 66 before leaving lab

