Biochemistry 1

- send answer to iClicker Question 13A now.
- Macromolecules
 - introduction, buildup & breakdown
 - types & the big picture
 - lipids & cells
- iClicker Question 13B

⇒ Due in lab THIS week:

- Pre-lab for lab 05 (Lab Manual page 73 & on-line)
- VGL II lab report

Exam I: Monday 10/19 (info in Chemistry 2 handout)

- Last names starting with A through E: 11th floor of Healy Library
- Last names starting with F through Z: Lipke Auditorium (here)
 (1 bonus point for going to right room)

covalent bond (D-(3) + (3) H20 0-6-6 ... > ctr > polymer + each step requires O energy (information (from genes) 3 specific "assemblers" * sequence of monomers determines properties & function breaking down = "hydrolysis" Hzo usually directly involved (D-⊙-3) + no energy required

| H20 + no information required (0-0+ 3) + done by specific enzymes Types of macromolecules in Bio III (rough #s) corresponding monomer You > {80% theo } {90% macromoleales > {55% protein amino acide 20% stuff > {10% misc small 20% nucleic nucleotide acide molecules (monomers, etc.) {15% polysaccharide sugar Chronomers, etc.)

The "big picture" = you are what you eat information for proper assembly (genes)

Aigustion (hudrolysis) monomers polymerization you macro-macro molecules

Polymers inter-conversion are energy (Chemical)

Ligids * small macromolecules

* stick together in large structures due To 'phobic effect

one important type: phospholipid

