### (10) **Today**

Chap 3: Amino Acids, Peptides, and Proteins

### Chap 3: Amino Acids, Peptides, and Proteins

### (12) Second Class from Today

Chap 3: Amino Acids, Peptides, and Proteins

#### Third Class from Today (13)

Chap 3: Amino Acids, Peptides, and Proteins

# **Biochem Test 1 is being rescheduled to Wed. Feb 26**

Next Class (11)

Draw a generic amino acid and explain why they typically exist as ammonium carboxylates

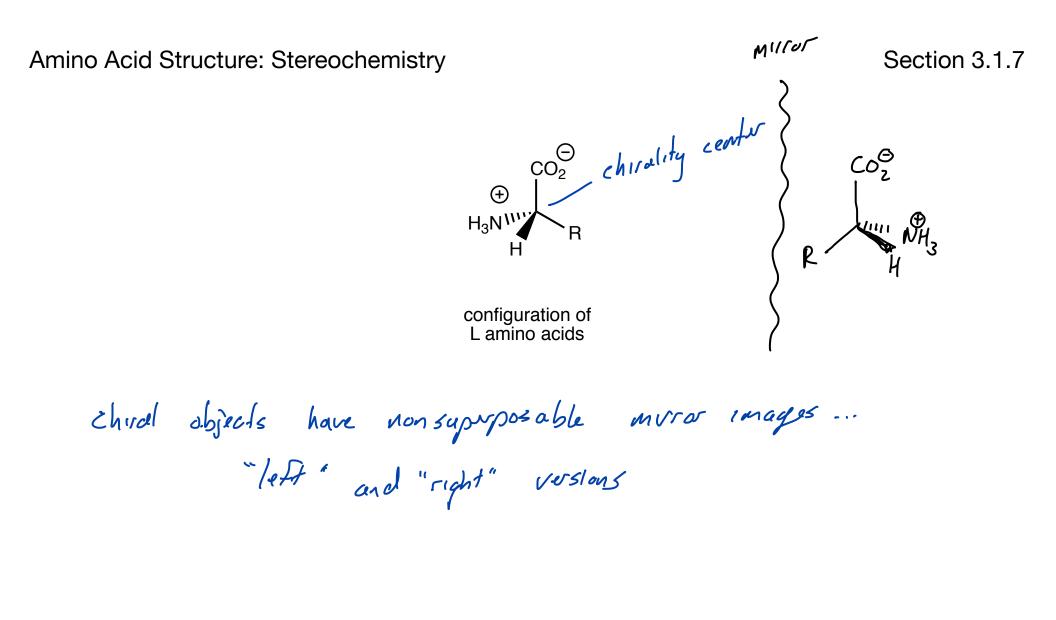
Draw the reaction of a amino acids forming a peptide bond Comment on the reactivity of ammonium carboxylates as compared to amines and carboxylic acids

Draw at least one amino acid from the each of the four categories with the correct stereochemistry

Identify to which category an amino acid belongs when provided with its structure

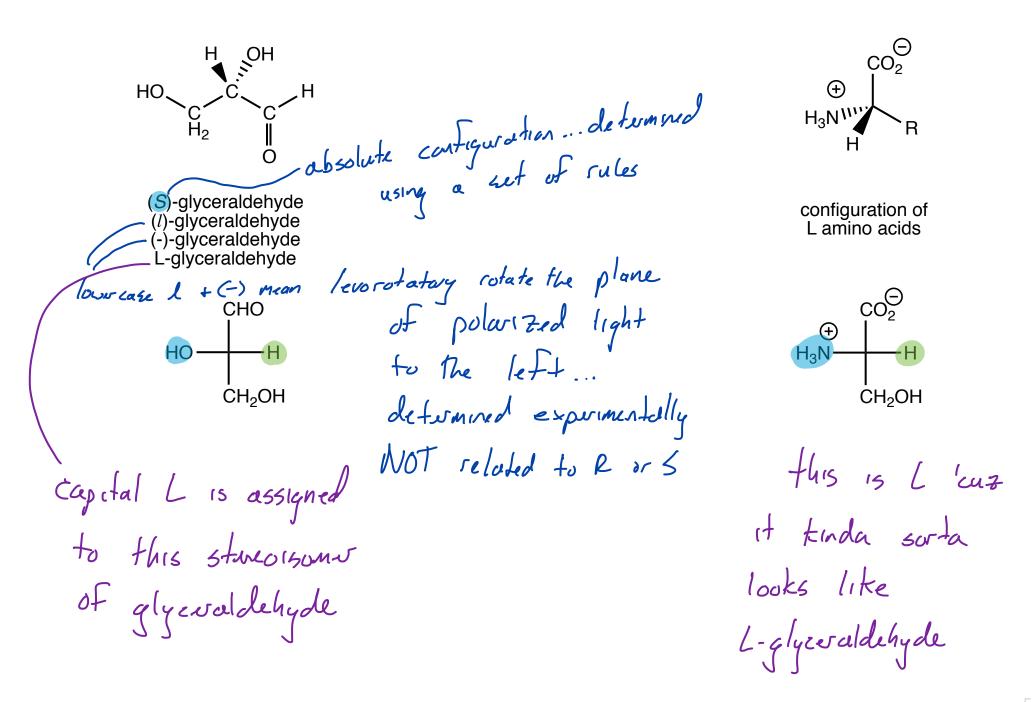
Comment on traits (reactivity, IMF's, structural) of amino acid side chains

Amino Acid Structure 
$$k$$
 group  $k$  group  $k$ 



#### Amino Acid Structure: Stereochemistry

# Section 3.1.7

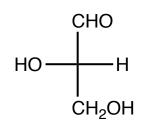


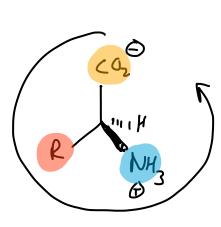
## Amino Acid Structure: Stereochemistry



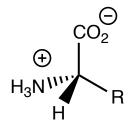
OH C HO. H H۶  $\cap$ (S)-glyceraldehyde (*l*)-glyceraldehyde (-)-glyceraldehyde L-glyceraldehyde

Н





Correct (H back) Zountur clock wise COSM CO2 to R to N Circle



configuration of L amino acids

