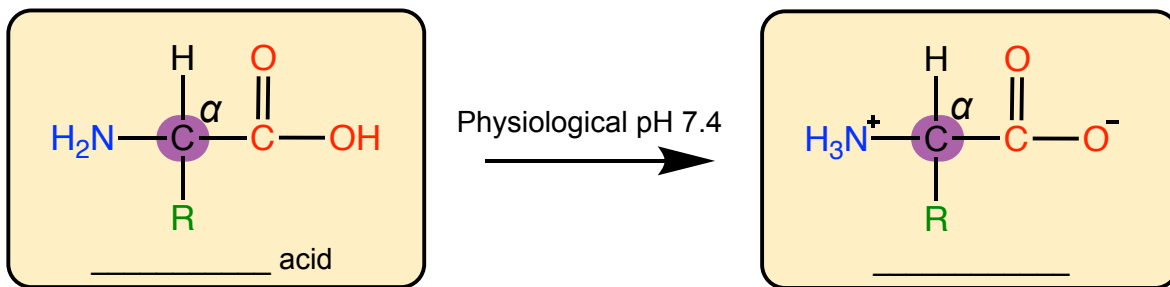


CONCEPT: INTRO TO AMINO ACIDS

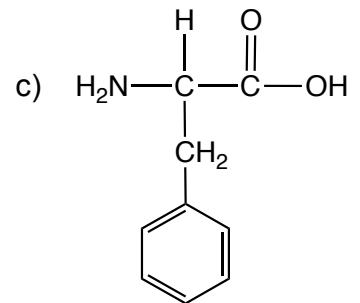
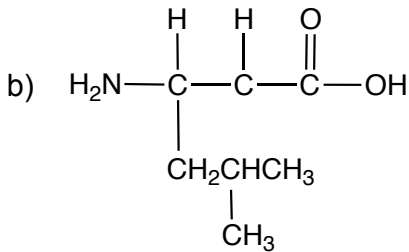
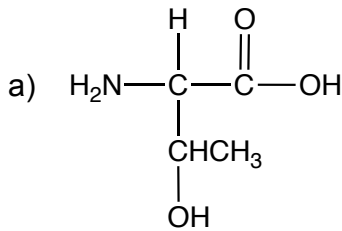
- **Amino acids:** molecules containing an _____ and a _____ functional group, in addition to an _____ side chain.



- **Zwitterion:** molecule bearing two groups of _____ charge.

- _____ α -amino (_____) acids make up the building blocks of _____ in living organisms.
 - They possess _____ **R** side chains attached to the α -carbon.

EXAMPLE: Label all α -amino acids.



PRACTICE: What makes every standard amino acid unique?

- presence of amino functional group
- number of R groups bonded to the α -carbon
- types of proteins they form
- type of R group bonded to the α -carbon