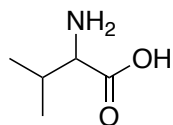


Quiz 1. Monday afternoon

Name:

1) In the space below, circle and name the functional groups on valine (3 pts)



valine

2) Valine exists naturally as the (S) isomer. Redraw valine showing its absolute stereochemistry (3 pts)

3) The following molecule is called trimethylsilyldiazomethane.

3a. Show all charges on the following molecule (2 points)

3b. Ignoring contributions from alternative resonance forms, what would you expect the hybridization of each of the two nitrogen atoms to be? (2 points)

