

Chapter 21:

I. Naming (21-1)

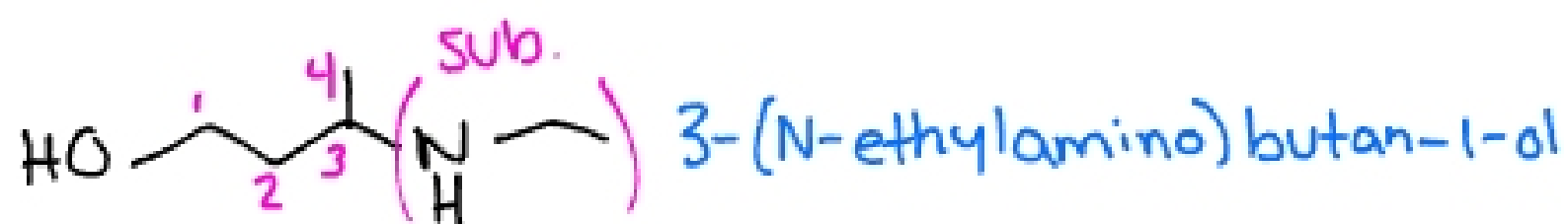
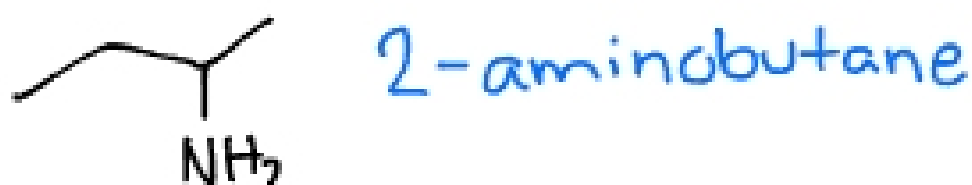
1. Substituted Amines: # of groups on N



2. Named as alkanamines (N-alkyl amines)



3. As amino substituents



4. As alkyl amines



II. Structure and Physical Properties (21-2)

- tetrahedral (pyramidal sp³)
- racemization of N centers



$$\Delta H = \sim 5-7 \text{ kcal/mol (rapid at RT)}$$

III. Acidity and Basicity (21-4)

1. Amines are weak acids (requires very strong base)

