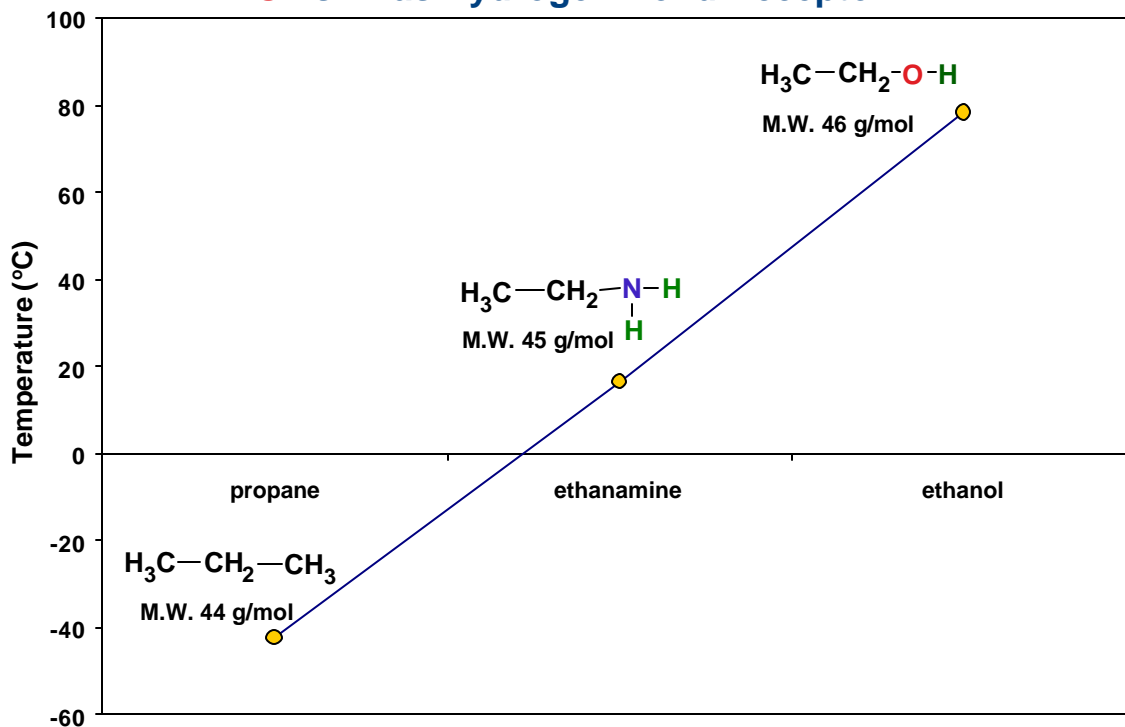
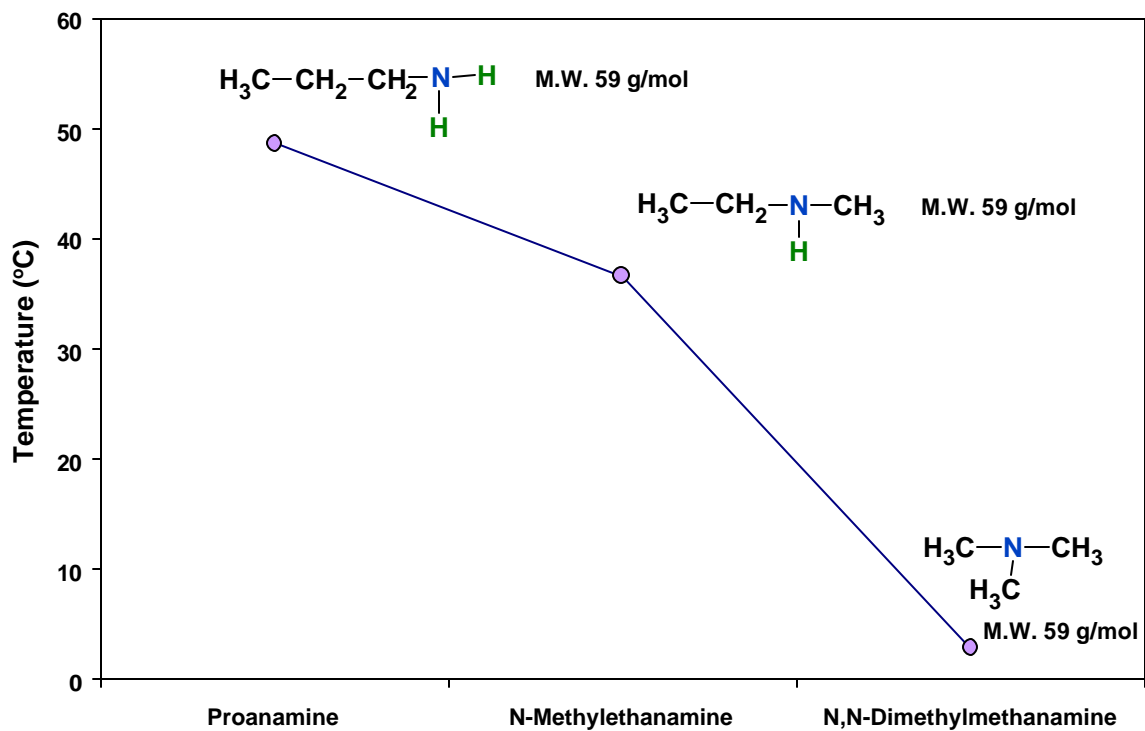


O vs. N as Hydrogen Bond Acceptor

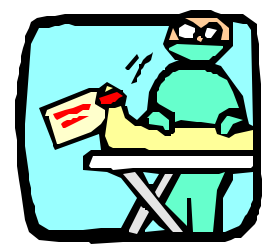
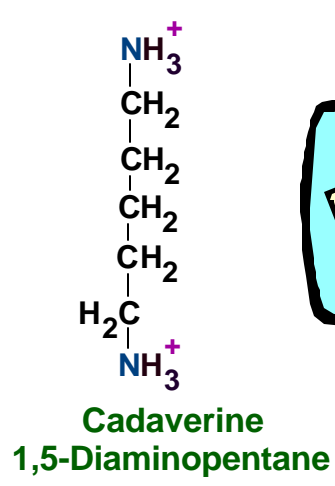
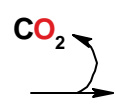
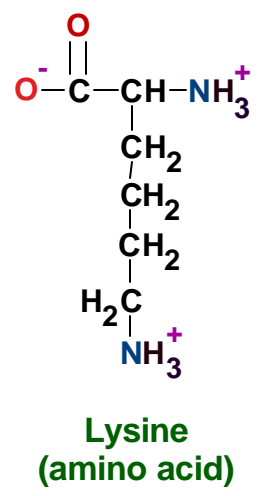
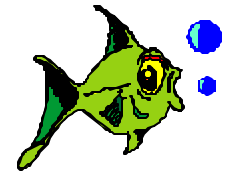
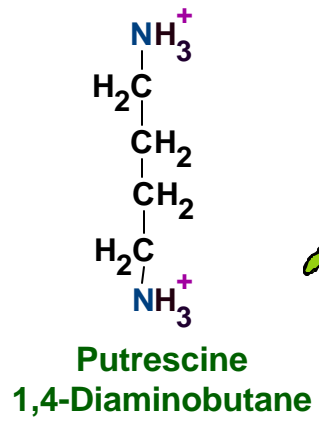
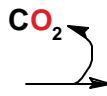
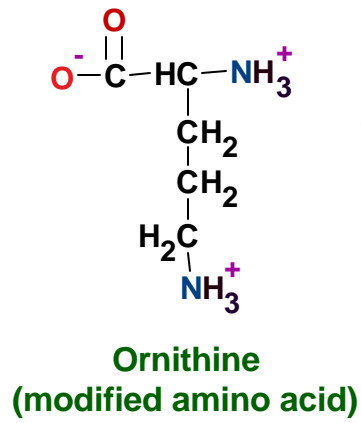
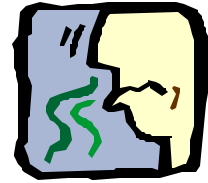


Effect of Amine Substitution

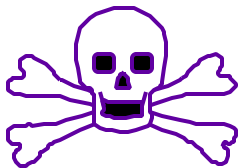
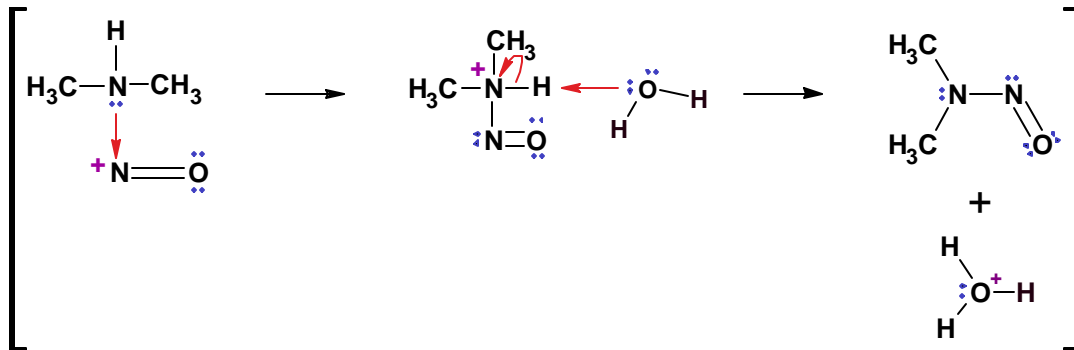




Pweeeeeeeeeee!



Formation of a Nitroso Compound



Nitrosamines are potent carcinogens:

- Mutate DNA by altering bases so that when copied, errors occur
- Suggested involvement in childhood leukemia, brain cancer and stomach cancer
- Used as an additive in hot dogs, lunch meat & ham

