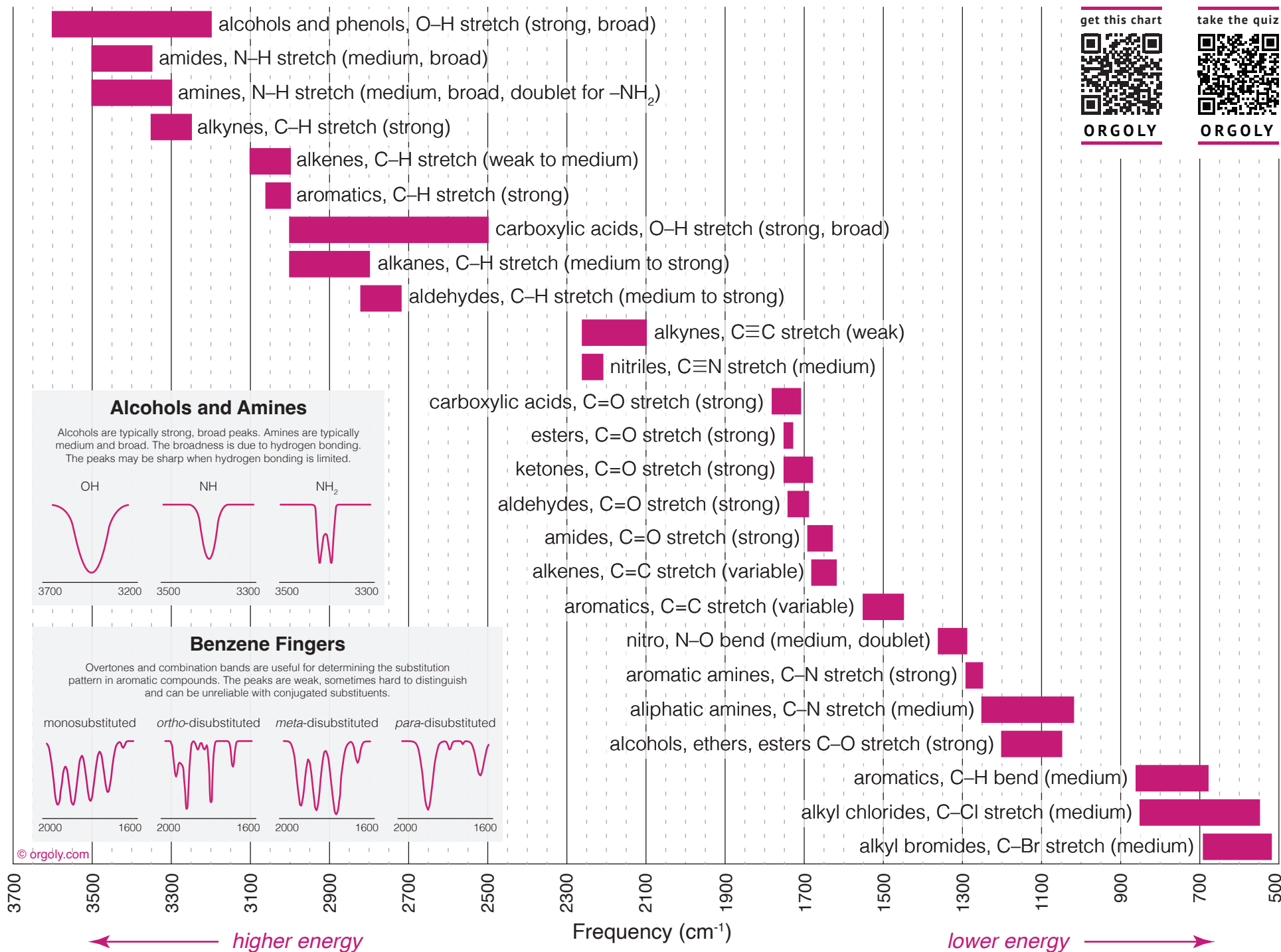


Typical IR Frequencies by Functional Group



get this chart



ORGOLY

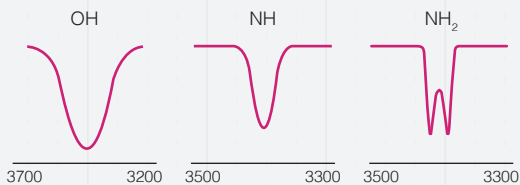
take the quiz



ORGOLY

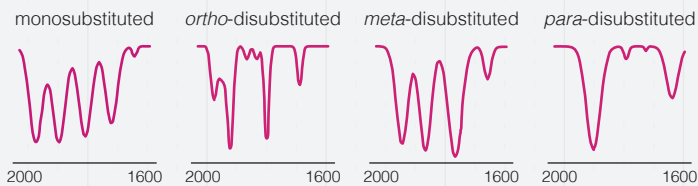
Alcohols and Amines

Alcohols are typically strong, broad peaks. Amines are typically medium and broad. The broadness is due to hydrogen bonding. The peaks may be sharp when hydrogen bonding is limited.



Benzene Fingers

Overtone and combination bands are useful for determining the substitution pattern in aromatic compounds. The peaks are weak, sometimes hard to distinguish and can be unreliable with conjugated substituents.



← higher energy

Frequency (cm⁻¹)

lower energy →