

# WORKSHEET

## 1. Molecular Formula


IR

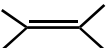
#H's not attached to C =

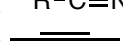
UV

## 2. Index of Hydrogen Deficiency =

Exploring around the unsaturated functional groups:

#  (160-220)

#  (100-160)

#  $\text{sp}$  (  105-120,s  
65-90 )

# rings :

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IHD =

## 3. Other heteroatoms - exploring around the saturated functional groups :

## 4. Other pieces :

a. Methyl groups

b.  $^1\text{H}$  NMR  $> 2.0$

c. Other carbons

## 5. Putting it all together :