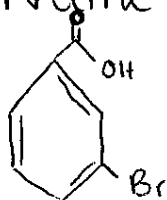


The Radicals

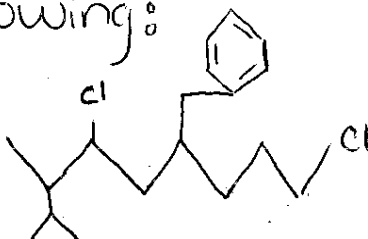
grp. 2

Name the following:

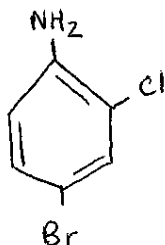
①



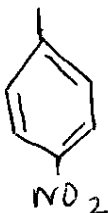
②



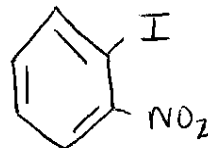
③



④



⑤



Draw the following:

①

2-Isopropyl-5-methylphenol

②

m-secbutylacetophenone

③

2,5-dibromo-3,6-dichlorotoluene

#ing

④

~~t-cyclopropyl-2,6-diethyl-3,5-diisopropylbenzene~~

⑤

3,5-dichloroaniline

Are the following aromatic?

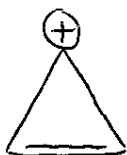
1.



3.



2.



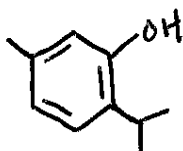
The Radicals pg. 3

Answers to naming:

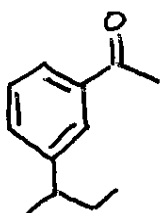
- ① m-Bromobenzoic acid
- ② 4-Benzyl-1,6-dichloro-7,8-dimethylnonane nice!
- ③ 4-Bromo-2-chloroaniline
- ④ p-Nitrotoluene
- ⑤ o-Iodonitrobenzene

Answers to drawing:

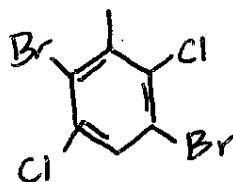
①



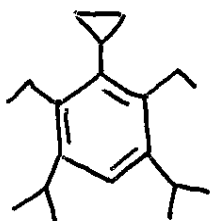
②



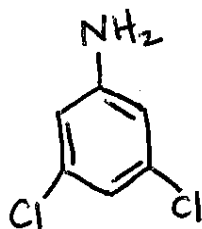
③



④



⑤



Answers to Aromaticity:

- ① No, non-planar and has 8π electrons.
- ② Yes, 2π electrons over 3p orbitals. Very tricky!
- ③ Yes, 6π electrons.