

# Chp 7 Organic Functional Groups

## 7.1 Alcohols + Ethers

examples

hydroxyl group

naming

phenols

Bonding

(15) (10) (2) (2) (3) (2) (2)  
31, 32, 33, 34, 36, 37, 38

(5)  
40

41

## 7.2 C=O, Carbonyl groups

aldehydes

ketones

carboxylic acids

esters

thioesters

amides

(10) (4) (6) (4) (6)  
41, 42, 43, 44, 45

(6) (4) (4) (6) (4)  
47, 48, 50, 52, 53

(4)  
54

58

## 7.3 C-N, amines

naming

alkaloids

H-Bonding

Ions

(6) (10)  
55, 56

16

7.4 P=O

inorganic phosphate  
phosphate ester

(6) (10)  
57, 69

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Chemistry in med

(2) (2) (2) (2) (1)  
59, 60, 61, 62, 63

(2) (1) (2) (1) (2)  
64, 65, 66, 67, 68

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