

1. Name the functional groups that are in the molecules.  
(a) HEXANE01 (b) MIMETH10 (c) ETANOL (d) HIXHIF05
2. In the following larger molecules name and count the amount of each functional groups. (a) ALDRIN (b) ANDRSO (c) CHOCAL (d) FACETC10
3. As in the previous question name and count the amount of each functional group. If there are alcohols in the molecule state whether they are primary secondary or tertiary. (a)FORMAC01 (b)DLMALC (c)FRUCTO11

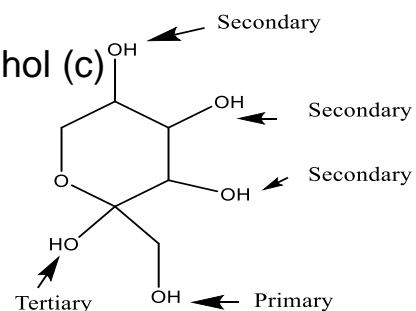
### Extended Functional Group Questions

4. Name and count the amount of each functional group. If there are alcohols or amines in the molecule state whether they are primary secondary and tertiary.  
(a)GAGSIR (b) HEJKUC (c) INDIGO03 (d) IBPRAC04  
(e) JAHZEX10 (f) COCAIN10 (g) KEDKOT (h)OVANIL

## H2- Functional Groups Worksheet

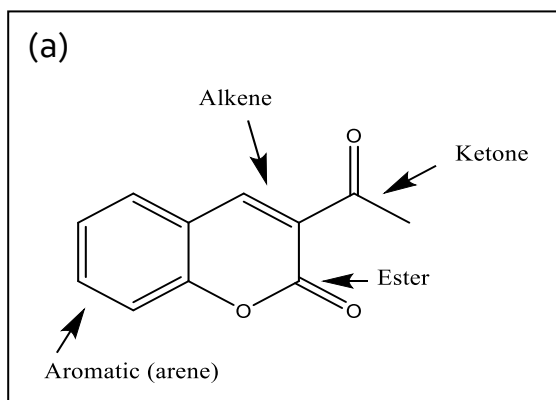
### Answers

- (a) Alkane (b) halogenoalkane (c) alcohol (d) ketone
- (a) 2 Alkenes 6 chlorines (halogenoalkanes) (b) 1 Ketone (c) 3 alkenes 1 alcohol (d) 1 carboxylic acid 1 fluorine (halogenoalkane)
- (a) carboxylic acid (b) 2 Carboxylic acids 1 Secondary alcohol (c)



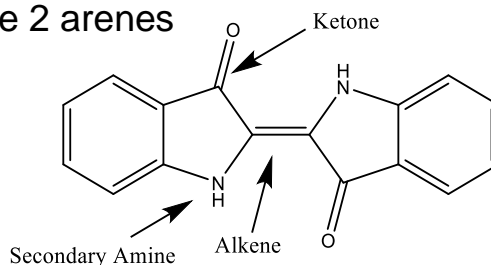
### Extension Answers

4.



(b) 1 Alkene 4 Esters

(c) 2 secondary amines 2 ketones 1 alkene 2 arenes



(d) 1 Arene 1 Carboxylic Acid

