

|    |    |   |
|----|----|---|
| As | K  |  |
| Fr | A  | N   |
| C  | He | M   |

**Q1** Identify the functional groups in each of the molecules below. The first example has been made for you

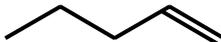
a)  $\text{CH}_3\text{CHCH}_2$      *Alkene*

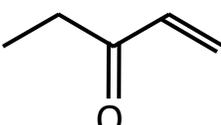
b)  $\text{CH}_3\text{CH}_2\text{COCH}_3$      Ketone

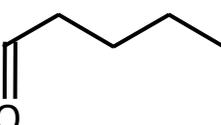
c)  $\text{CH}_3\text{CHBrCH}_3$      Haloalkane

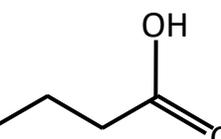
d)  $\text{CH}_3\text{COOH}$      Carboxylic acid

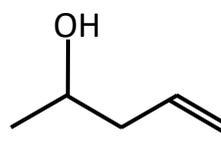
f)  $\text{CH}_3(\text{CH}_2)_4\text{CHO}$      Aldehyde

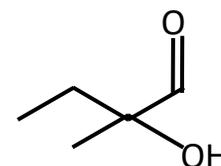
g)      Alkene

h)      Ketone and Alkene

i)      Aldehyde

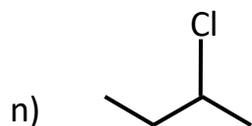
j)      Carboxylic acid

k)      Alcohol (2°) and aldehyde

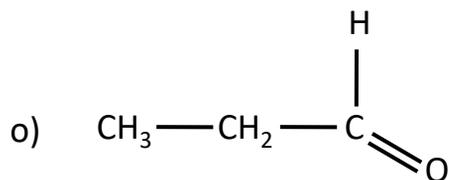
l)      Alcohols (3°) and Aldehyde

m)  $\text{CH}_2\text{CHCOCH}_2\text{CH}_3$      Alkene and Ketone

|    |    |   |
|----|----|---|
| As | K  |  |
| Fr | A  | N   |
| C  | He | M   |



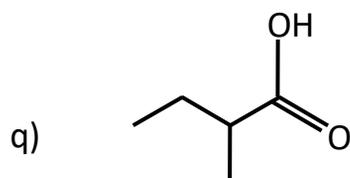
Haloalkane



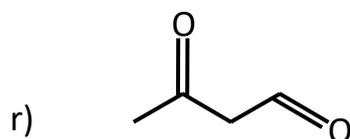
Aldehyde



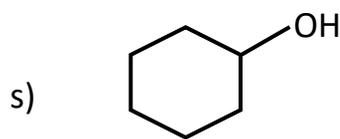
Alkene and Aldehyde



Carboxylic acid



Ketone and Aldehyde



Alcohol (2°)



Ketone



Ketone, Alkene and Aldehyde