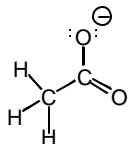


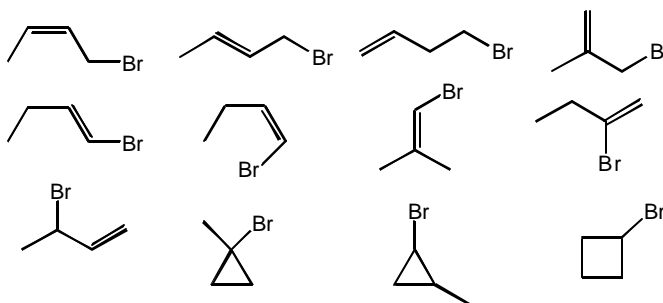
## Practice Exam 1i - Answers

1. C, H, K, M, S, W, Z, CC

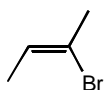
2. (a)



(b) any one of the following



(c)



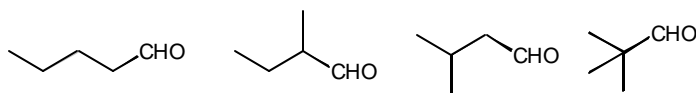
(d)  $C_{17}H_{21}NO_4$

(e)

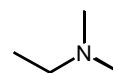
- a.  $Csp^2 + Osp^3$   
 b.  $Csp^2 + Csp^2$   
 c.  $Csp^2 + Osp^2, Cp + Op$

(f)  $120^\circ$

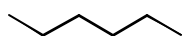
3 (a) Any three of the following



(b)



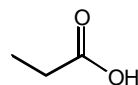
(c)



Van der Waals



Hydrogen bonding



Hydrogen bonding

(d) HF has hydrogen bonds between the F and the proton on the F., whereas there is no hydrogen bonding between molecules of ethyl fluoride.