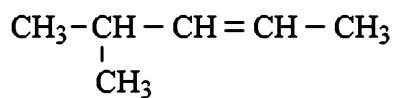


Year 12 Chemistry
Quick Quiz: Organic Chemistry

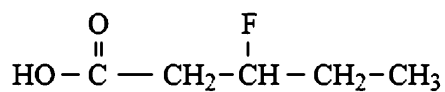
1. Write the systematic name for:

(a)



2-methyl pent-3-ene

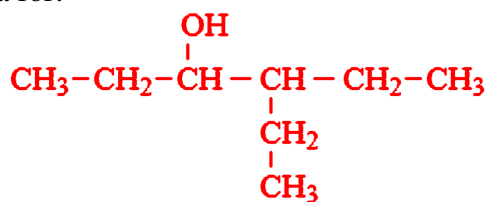
(b)



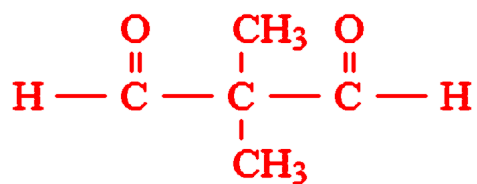
3-fluoro pentanoic acid

2. Write the structural formula for:

(a) 4-ethyl hexan-3-ol



(b) 2,2-dimethyl propanedial



3. Explain which of the compounds in question 1 would have a higher boiling point.

(b) because it has polar bonds C=O and O-H therefore has hydrogen bonding between molecules which is a stronger secondary force than the dispersion forces between molecules of (a)

4. State which of the compounds in question 2 would be more soluble in hexane.

(a)