

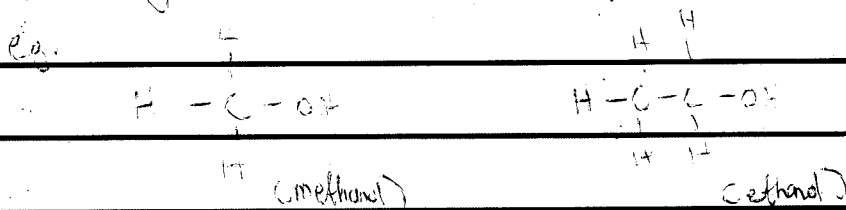
DIMOLUABI SEAN SEREMI

CHM 102 Assignment

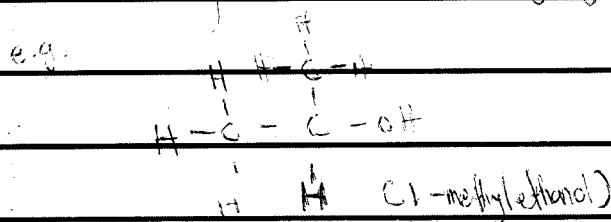
1) Alcohols can be classified in two ways;

(i) By the number of Hydrogen atoms bonded to the carbon atom connected to the hydroxyl group.

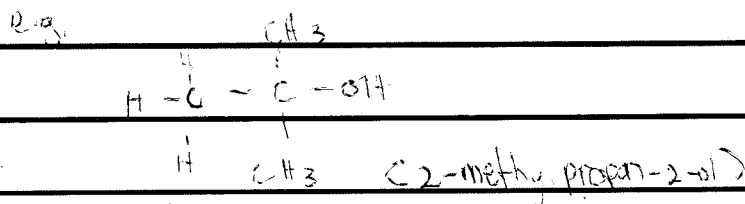
(a) Primary alcohols (either 3 or 2 Hydrogen atoms)



(b) Secondary alcohols (1 Hydrogen atom)



(c) Tertiary alcohols (no Hydrogen atoms)

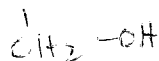


(ii) By the number of (OH) groups in the compound;

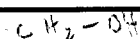
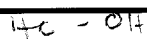
(a) Monohydric alcohol (one OH group)



(b) Dihydric alcohol (two OH groups)



(c) Trihydric (three OH groups)



2) Alcohols are soluble in water. This is due to the hydroxyl group in the alcohol which is able to form hydrogen bonds with water molecules.

