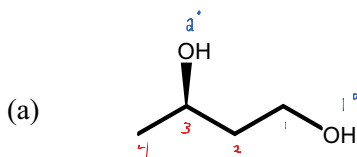


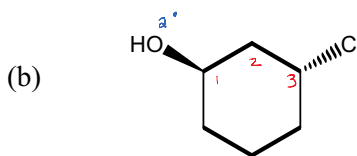
## Alcohol Classification and Nomenclature Practice

1. Name or draw structures for the following compounds. Classify each alcohol as primary, secondary, or tertiary,



1,3-butanediol

Nope - not needed  
3-chloro-~~cyclopentanol~~

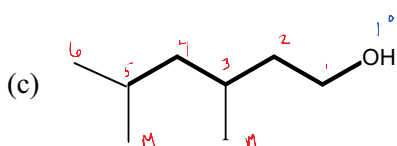


3-chlorocyclohexanol

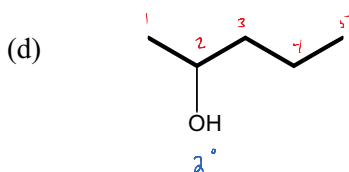
Not

Note: there is no need to include a "1" in the name of a cyclo-alcohol.

If there is only 1 "OH" group, it is implied.

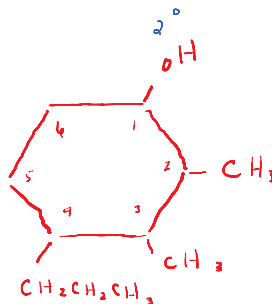


3,5-dimethyl-1-hexanol

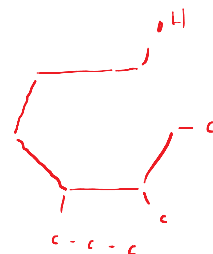


2-pentanol

- (e) 2,3-dimethyl-4-propylcyclohexanol

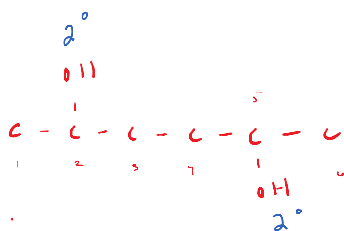


or

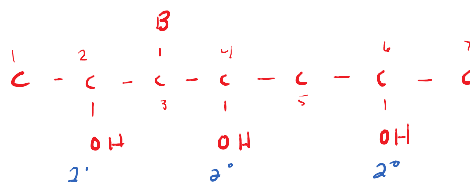


- (f) 2,5-hexanediol

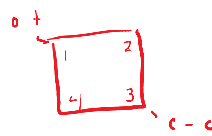
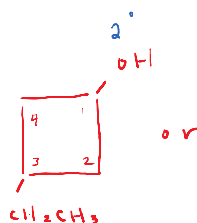
Note: your branches may go up or down differently than mine. This is OK.



- (g) 3-bromo-2,4,6-heptanetriol



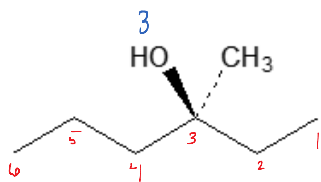
- (h) 3-ethylcyclobutanol



Note: you may choose to put your "OH" on a different carbon.

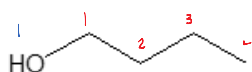
That is OK as long as you keep it ≠ 1.

(i)



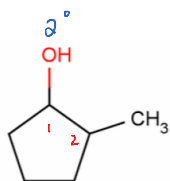
3-methyl-3-hexanol

(j)



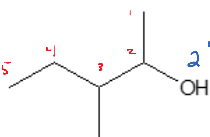
1-butanol

(k)



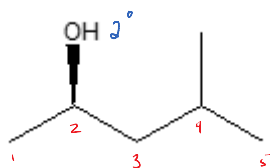
2-methylcyclopentanol

(l)



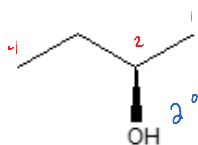
3-methyl-2-pentanol

(m)



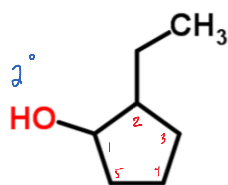
4-methyl-2-pentanol

(n)



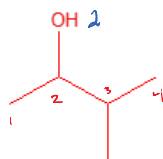
2-butanol

(o)



2-ethylcyclopentanol

(p)



3-methyl-2-butanol