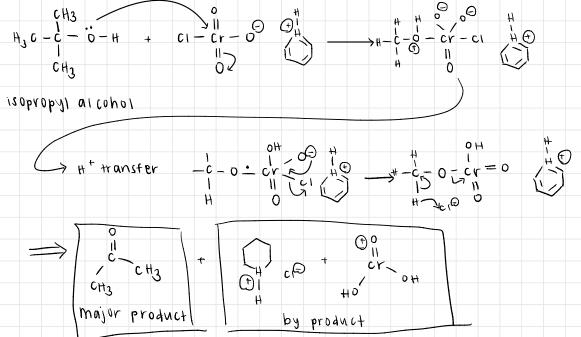
14.26 HOW Structu	talla j	, ethers, and	phenois differ
	4	0 H	
, o - H			
a/ co ho/	ether	Ph	en o / c
14.18 Wh	A AO AICOHOL	s have high	er boiling points
than eth	new of the s	ame MW?	er boiling points
20 like ap		ructure contains	
does not.	·O-H alcohol	Vs	ethers
-oH growp all	ioms alcohol mole	cuies to engage	in hydrogen bonding
14.31 VIIAM	in E has the	. Structure sh	own. Identify
PSIONA1.	ional growp	, Structure she to which e	ach oxygen
alcohol CH3	CH3 CH3	снз	
H ₃ c CH ₃	C H ₃	~ c #3	
	= ether		
14.33 Give	systematic	names for the	o tollowing
cowkony	42 :	H ₃ C	
(a) 3,4,5-	trimethylphenol	H3c -4	NO ₂
C 2,4,6-+1	rinitrophenol	6	O ₂ N 0 ₂
(e) 2 - 64ty1 p	phen 0 l	5 (1) c (1) (1) (1) (1) (1) (1) (1	t ² C + 3

14.40 what functional group is formed on oxidation of a secondary alcohol? Demonstrate your answer using isopropy) alcohol



16.24 The Structure of the amino acid lysine (in its uncharged form) is shown below. amine = -il (H, R) 2

both amine grown would be able to participate

(b) Lysine = polar
Lysine is likely to be water-soluble because the terminal amino

+ carboxyl groups are available to bond with H in Water.