EXERCISE:			
9. Which of t	he following are expected to to (b) H-O (c) O-	pe polar and which are exper-	ected to be nonpolar?
10. Which of the	following molecules will be p	olar and which will be some	olar0
(a)s.	(b) (c)		nar?
a Zo.	Q (D) CI	(c) H	(d) H—Mg—H
P	B-a	H-C-a	Nφ
(e) H_C-	-0-н С=0	(g) H-C≡C-H	(h) O, O-H
14. Which of the fol (a) CH ₄ (b) HCl	lowing substances would you (c) H ₂ O (e) CH ₃ (d) H ₂ S (f) CH ₃	-NH ₂ CH ₃ -CH ₂ -C	
 Suggest a reaso very high viscosi 	n why liquid propane has a v ty.	very low viscosity, whereas	liquid glycerine has a
		cerine = CH ₂ -CH-CH ₂	
y water	ondon Grau vs	OH OHOH	H-bond is stronger
18. Bromine Br ₂ , is h in water. Why migh	ighly soluble in hexane (C ₆ H	14 = CH3CH2CH2CH2CH2CH2CH2CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3C	than L.F but only slightly soluble
	ight a molecule have as a sol h as CH3CH2CH2CH2CH2CH	A	ar carbon chain ending with
20. Why can't a nonpole	ar solvent dissolve an ionic o	compound e perm	arent dipole: polar
21. Why is the polar, sol	vent water able to dissolve s		77 7 77 77 77 77 77 77 77 77 77 77 77 7
~ H.	Sound of F	CAA	
	thanol (CH ₃ OH) and ethanol	/ / /	The state of the s
A control of the cont	s do you expect to dissolve to CH ₃ CH ₂ CH ₂ CH ₃ Br (o	c) octane (CH ₃ CH ₂ CH ₂ CH	H ₂ CH ₂ CH ₂ CH ₂ CH ₃)
		×1.6	1990