	Describe the three types of intermolecular bonding			
	H_2O is a liquid at room temp while H_2S , H_2Se , and H_2Te are all gases at room temp, despite the fact that they are heavier and have a larger surface area. Why?			
3.	F_2 , Cl_2 are gases, Br_2 is a liquid, I_2 is a solid. What causes this trend?			
	What types of intermolecular forces will the following molecules experience :			
		help to draw them)		
		-2 4	С.	CH₃OCH₃
	b.	CH₃Cl	d.	CH₃CH₂OH
5.	Why does it take so much energy to boil a sample of water?			
6.	If a sample of water is partially frozen and partially liquid, what is the temperature of the sample			
	The heat of fusion for water is 80 cal/g. How many calories of energy would be required to melt 382.5 g of ice?			
8.	What allows a solute to dissolve in a solvent?			
9.	Which of the following compounds is expected to be water soluble? (drawings may help)			
	a.	LiCl	d.	C ₆ H ₆ (Benzene)
	b.	CH ₃ COCH ₃	e.	CaCl ₂
	c.	Na_3PO_4	f.	NH ₃
10.	Why do	oes an Oil and Vinegar salad dressing separate into two	o d	listinct layers?
11.	What is the weight/volume percent of the following mixtures?			
	a.	10.0g LiCl in 750mL solution	c.	40.0g of NaOH in 0.500L sol'n
	b.	25g NaNO₃ in 150mL solution	d.	$85.5g C_6H_{12}O_6$ in $2.5L$ solution
12.	What a	re the molarities for 11a-d?		
13.	If 11a is	s diluted from 750mL to 1.75L, what is the new molari	ty?	•
14.	How m	any colligative particles would each of the following co	om	pounds separate in to?
	a.	Na_3PO_4	d.	NH ₄ NO ₃
	b.	CH₃OH	e.	Li ₂ SO ₄
	C.	NaCl	f.	$MgCO_3$
15.		of the following solutions will have the highest osmoti	-	
				3.00M NH ₄ NO ₃
	b.	5.00M CH ₃ OH	e.	0.25M Li ₂ SO ₄
		1.50M NaCl	f.	1.25M MgCO ₃