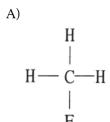
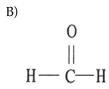
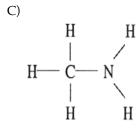
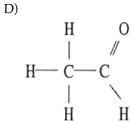
A.P. Cher	mistry Quiz: Interi	molecular Forces (Chap	ter 10)		
Name					
MULTIP	LE CHOICE. Cho	ose the one alternative	that best completes th	e statement or answers	the question.
1)		rce of the difference in tular mass 160 amu) is _		nts of ICl (97°C; molecu	lar mass 162 amu) and
	A) ICl has greater strength of hydrogen bonding than Br ₂				
	B) ICl has stronger dipole-dipole interactions than Br ₂				
	C) ICl has stronger dispersion forces than Br ₂				
D) The I-Cl bond in ICl is stronger than the Br-Br bond in Br ₂					
	E) ICl has a gre	ater molecular mass tha	n Br ₂		
2)	Which one of the	following derivatives o	f ethane has the highes	t boiling point?	
	A) C ₂ I ₆	B) C ₂ Br ₆	C) C ₂ F ₆	D) C ₂ Cl ₆	E) C ₂ H ₆
3)	What is the predo	ominant intermolecular	force in CBr4?		
	A) hydrogen-bo	onding			
	B) ion-dipole a	ttraction			
	C) ionic bondin	g			
	D) dipole-dipol	e attraction			
	E) London-disp	persion forces			

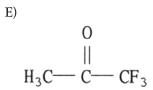
4) Which one of the following substances will have hydrogen bonding as one of its intermolecular forces?











5) Which one of the following should have the lowest boiling point?

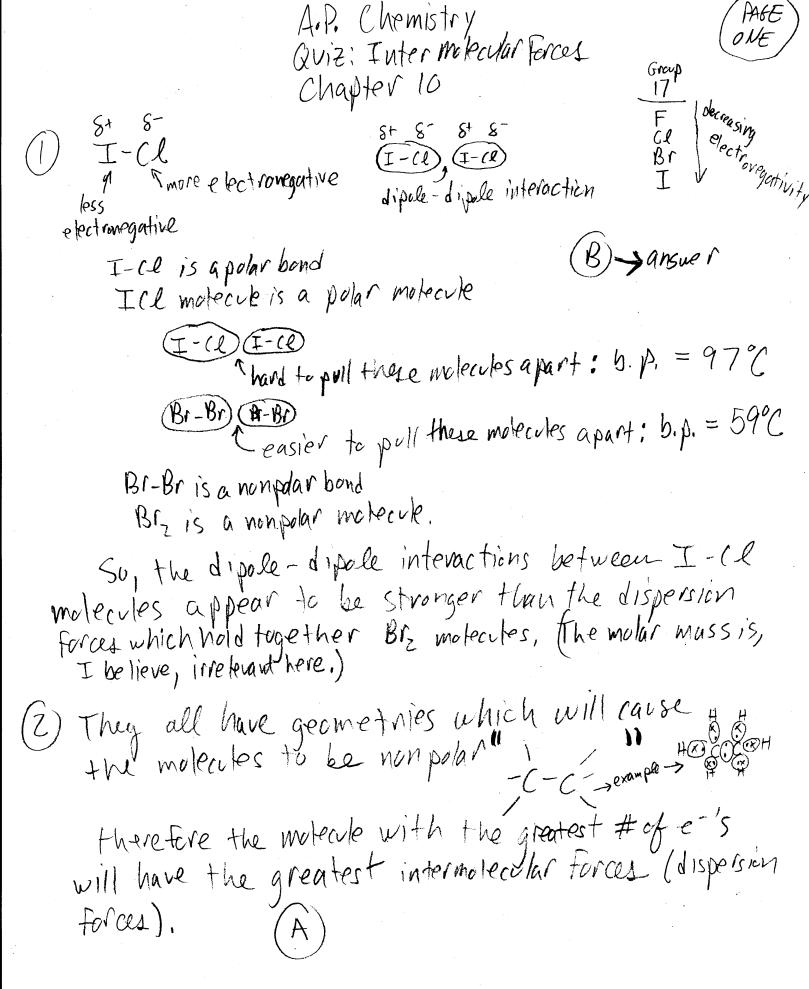
- A) HCl
- B) H₂S
- C) PH₃
- D) H₂O
- E) SiH4

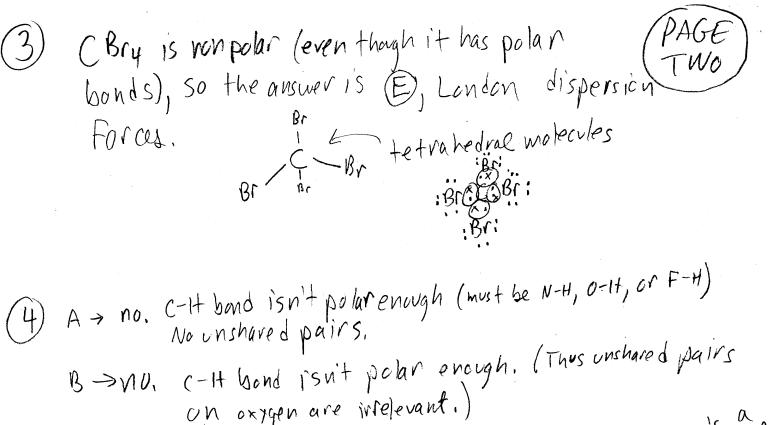
Answer Key

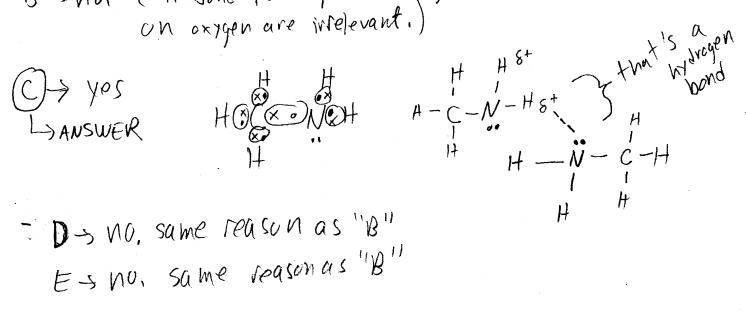
Testname: QUIZ_INTERMOLEC_FORCES_CH_10.TST

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) B ID: chem9b 2.2-11
- 2) A ID: chem9b 2.1-20
- 3) E ID: chem9b 2.1-22
- 4) C ID: chem9b 2.1-28
- 5) E ID: chem9b 2.1-31







(5) lowest B.P. = lowest temp needed to make a clump of
these welecules in the liquid phase separate from
one another to become gas molecules = substance
with weakest intermolecular forces of attraction.

(A) roler (d) reby and can do hydrogen bonding

with weakest intermolecular forces of attraction.

(A) polar (B) polar and can do hydrogen bonding

(B) polar (C) nonpolar Therefore, if the only into available assure is chemical formula, I would pick (E) be cause London disp. Forces is the weakest intermolec. Force (all things being equal).