Chem 2202 Worksheet 7

(1) Complete the following table:

Chemical Formula	Electron Dot Diagram	3d Stick Structure (include bond dipole if polar)	Shape
CCl ₃ F			
CNH ₃			
HSi ₂ I			
NCl ₃			

(2)	For Each of the following chemicals, state what type of intermolecular forces are present.
	Include the number of electrons for London Dispersion forces.

a. CCl ₃ F	b. CNH ₃	c. HSi ₂ I	d. NCl ₃
e. C ₄ H ₁₀	f. C2H5NH2	g. C5HoOH	h. C ₃ H ₇ F

- (3) For each of the following pairs of chemicals, state which will have the higher boiling point. Explain your choice.
- a. C₂H₆ and CH₃F
- b. C₄H₇Cl and C₂H₅OH
- c. NCl_2F and C_8H_{18}
- d. $C_{15}H_{30}$ and $C_{3}H_{7}OH$
- e. $C_2H_4F_2$ and CH_3NH_2