

Chapter 11: Intermolecular forces Worksheet #1

Name _____ Period ____ Date _____

Fill in the box below. Provide a Lewis Dot Structure if needed. If not needed, explain why. State if it is polar or nonpolar and list the strongest IMF the sample will experience.

Substance	Lewis Dot Structure if necessary	Polar, Nonpolar	Strongest IMF
CH_3CF_3			
PCl_3			
SO_2			
KCl (aq)			
$(\text{CH}_3)_3\text{N}$ (N central)			
CCl_4			
H_2O			
$\text{Mg}(\text{NO}_3)_2$ in water			

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NH_3			
CO_2			
CH_3OH			
$\text{C}_2\text{H}_5\text{NH}_2$			
O_2			
CHF_3			