Polarity Worksheet

For each of the following pairs of molecules, determine which is most polar and explain your reason for making this choice:

1)	carbon disulfide	OR	sulfur difluoride
2)	nitrogen trichloride	OR	oxygen dichloride
3)	boron trihydride	OR	ammonia
4)	chlorine	OR	phosphorus trichloride
5)	silicon dioxide	OR	carbon dioxide
6)	methane	OR	CH ₂ Cl ₂
7)	silicon tetrabromide	OR	HCN
8)	nitrogen trifluoride	OR	phosphorus trifluoride

Polarity Worksheet Answers

For each of the following pairs of molecules, determine which is most polar and explain your reason for making this choice:

1)	carbon disulfide carbon disulfide is nonp	OR olar	sulfur difluoride
2)	nitrogen trichloride both are polar, but oxyge trichloride, making it mo		oxygen dichloride is less symmetric than nitrogen
3)	boron trihydride boron trihydride is nonp	OR olar.	ammonia
4)	chlorine chlorine is nonpolar	OR	phosphorus trichloride
5)	silicon dioxide It's a tie, because both a	OR re nonpolar	carbon dioxide
6)	methane methane is nonpolar	OR	CH ₂ Cl ₂
7)	silicon tetrabromide silicon tetrabromide is n	OR onpolar	HCN
8)	nitrogen trifluoride Both are polar and equa electronegativity betwee		