Types of Intermolecular Forces

What is the strongest intermolecular force present for each of the following compounds?

1) water _____

2) carbon tetrachloride _____

3) ammonia _____

4) carbon dioxide _____

5) phosphorus trichloride _____

6) nitrogen _____

7) ethane (C_2H_6) _____

8) acetone (CH_2O) _____

9) methanol (CH_3OH) _____

10) borane (BH_3) _____

Types of Intermolecular Forces - Solutions

What is the strongest intermolecular force present for each of the following compounds?

1)	water	**hydrogen bonding**
2)	carbon tetrachloride	**London dispersion forces**
3)	ammonia	**hydrogen bonding**
4)	carbon dioxide	**London dispersion forces**
5)	phosphorus trichloride	**dipole-dipole forces**
6)	nitrogen	**London dispersion forces**
7)	ethane (C_2H_6)	**London dispersion forces**
8)	acetone (CH_2O)	**dipole-dipole forces**
9)	methanol (CH_3OH)	**hydrogen bonding**
10)	borane (BH_3)	**dipole-dipole forces**