

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

- 1) hydrogen (H_2) _____
- 2) carbon monoxide (CO) _____
- 3) silicon tetrafluoride (SiF_4) _____
- 4) nitrogen tribromide (NBr_3) _____
- 5) water (H_2O) _____
- 6) acetone (CH_2O) _____
- 7) methane (CH_4) _____
- 8) benzene (C_6H_6) _____
- 9) ammonia (NH_3) _____
- 10) methanol (CH_3OH) _____

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

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|-----|--|---------------------------------|
| 1) | hydrogen (H_2) | London dispersion forces |
| 2) | carbon monoxide (CO) | London dispersion forces |
| 3) | silicon tetrafluoride (SiF_4) | London dispersion forces |
| 4) | nitrogen tribromide (NBr_3) | dipole-dipole forces |
| 5) | water (H_2O) | hydrogen bonding |
| 6) | acetone (CH_2O) | dipole-dipole forces |
| 7) | methane (CH_4) | London dispersion forces |
| 8) | benzene (C_6H_6) | London dispersion forces |
| 9) | ammonia (NH_3) | hydrogen bonding |
| 10) | methanol (CH_3OH) | hydrogen bonding |