

PAGE SETUP

Q#	Formula	Type of IMF
1		
2		
3		
Etc...		

**LONDON DISPERSION FORCES,
DIPOLE-DIPOLE,
AND HYDROGEN BONDING EXAMPLES**



HYDROGEN BOND

Kr

LONDON FORCE

HCl

DIPOLE-DIPOLE

F_2

LONDON FORCE



DIPOLE-DIPOLE

CO₂

LONDON FORCE



LONDON FORCE

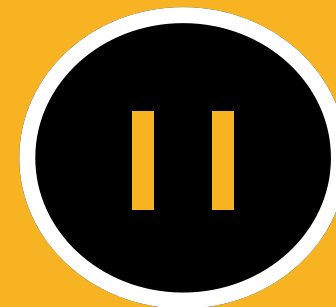


LONDON FORCE



DIPOLE-DIPOLE

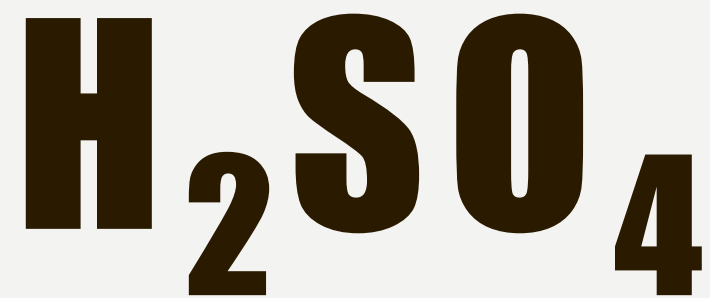
HF**HYDROGEN BOND**



LONDON FORCE

NO

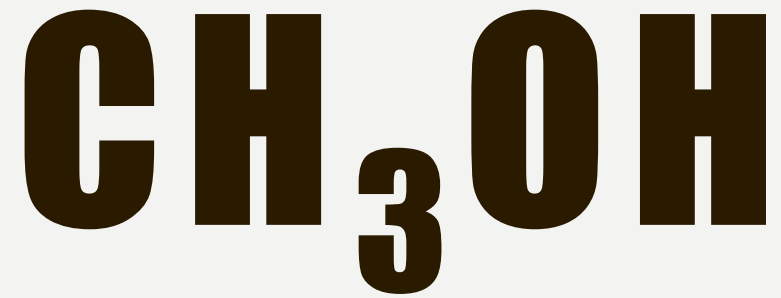
DIPOLE-DIPOLE



TRICK!!!! IONIC!!!!



LONDON FORCE



HYDROGEN BOND



HYDROGEN BOND



DIPOLE-DIPOLE

XeF₄

LONDON FORCE

He

LONDON FORCE



CO

DIPOLE-DIPOLE

Ar

LONDON FORCE

O_2

LONDON FORCE



HYDROGEN BOND

P₄

LONDON FORCE

HCN

DIPOLE-DIPOLE



HYDROGEN BOND



LONDON FORCE



LONDON FORCE



DIPOLE-DIPOLE

30



LONDON FORCE



DIPOLE-DIPOLE



LONDON FORCE



DIPOLE-DIPOLE



LONDON FORCE

I_2 **LONDON FORCE**



DIPOLE-DIPOLE

BULK SOLID EXAMPLES

NaCl

IONIC LATTICE



IONIC LATTICE



si

NETWORK SOLID



NETWORK SOLID

C (graphite)

NETWORK SOLID

Ag

METALLIC

NaOH

IONIC LATTICE

WC

NETWORK SOLID

A1

METALLIC

46

Na

METALLIC



IONIC LATTICE



IONIC LATTICE

49

Hg

METALLIC

50

CaO

IONIC LATTICE

51

Pb

METALLIC

SiC

NETWORK SOLID

53

cu

METALLIC



IONIC LATTICE