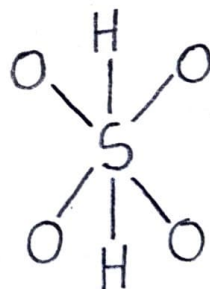
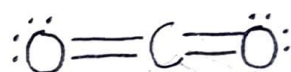
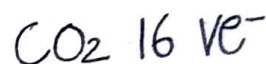
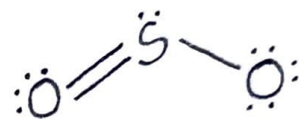


13 • IMF's, Liquids, & Solids**IMF'S IN SOLIDS**Indicate the **strongest** IMF holding together crystals of the following:

		Molecular Crystal		
		London forces	Dipole-dipole attractions	Hydrogen Bonds
1.	NH ₃	✓	✓	✓
2.	Kr	✓		
3.	HCl	✓	✓	
4.	F ₂	✓		
5.	KMnO ₄	✓	✓	
6.	NaCl	✓	✓	
7.	SO ₂	✓	✓	
8.	CO ₂	✓		
9.	C ₃ H ₈	✓	✓	
10.	CH ₄	✓		
11.	CH ₃ Cl	✓	✓	
12.	HF	✓	✓	✓
13.	C ₆ H ₆	✓		
14.	NO	✓	✓	
15.	H ₂ SO ₄	✓	✓	
16.	WC	✓	✓	
17.	Si	✓		
18.	SiO ₂	✓		
19.	C _(graphite)	✓		
20.	N ₂	✓		
21.	CH ₃ OH	✓	✓	✓
22.	Ag	✓		
23.	(C ₂ H ₅) ₂ NH	✓	✓	✓
24.	NaOH	✓	✓	
25.	Al	✓		
26.	PCl ₃	✓		



		Molecular Crystal			Metal	Ionic Crystal	Network Solid
		London forces	Dipole-dipole attractions	Hydrogen Bonds	Metallic Bonds	Ionic Bonds	Covalent Bonds
27.	XeF ₄	✓					✓
28.	He	✓					✓
29.	Na	✓			✓		
30.	CO	✓					✓
31.	Ar	✓					✓
32.	Ba(OH) ₂	✓				✓	
33.	O ₂	✓					✓
34.	H ₂ O	✓					✓
35.	NH ₄ Cl	✓					✓
36.	Hg	✓			✓		
37.	P ₄	✓					✓
38.	HCN	✓					✓
39.	CaO	✓					✓
40.	N ₂ H ₂	✓					✓
41.	H ₂	✓					✓
42.	Pb	✓			✓		
43.	XeF ₂	✓					✓
44.	SF ₄	✓					✓
45.	SiC	✓				✓	
46.	Si ₄ H ₁₀	✓				✓	
47.	PH ₃	✓					✓
48.	SiH ₄	✓				✓	
49.	H ₂ Se	✓				✓	
50.	C ₂ H ₂	✓					✓
51.	I ₂	✓					✓
52.	Cu	✓			✓		
53.	AsH ₃	✓					✓
54.	K ₂ S	✓				✓	