	9 Pb(ND3)2(92) + Li2S(ag) -> PbS(5) + 2Li NO3(22)
	b) The reaction will occur as there is a solid precipitate.
-	
	the same of the sa
2.	A: Magnesium B: hon(111) Sulfate
	b) The reaction occurs because magnesium is more reactive than iron.
	3 Mg(s) + Fez (504) 3(n1) -> 2 fe(s) + 3 Mg S Oy(as)
9	/ 0
	Fezo369 + 3CO → 2Fe + 3CO2
	1679 \$5.89 2.05molo x 2FC = 2.023mol Fc 159.79[mol :28.015]md 2.05molo x 300 x 55.855/mol
	15970/mol = 28.0/3/md 2.05mol (0 x 300 = 2.03)mol Fe
	x 55.859/mol
	1.010mm = 3.00mm
10	= 113,543
1.0	= 113,543 16mol Feroz × 2co = 3.13mol 3co b) = 114g of iron is produced
	Thereoz see
	c) 1= yield = actual
	theoretical
- Mo	co is the limiting reaction to the figiell = 52.3g x 100
	CO is the limiting reactant 13 about 45.9% 1142
	= 45.9%
	2 106

1	t.			
Compun	lewis Structure	Polarity		
9				
	-1:	2.2-1.8 = 0.4		
OT		11 11		
SiI4	S':	Only london dispersion forces		
	(:jS'j.)	only tonoon displastive		
+7(4): 32E		-		
	••	13 + 2		
HOF	H-0-F:	1-0-F 5-2.1:1.4 4.1-3.5=0.6 F 0		
1+6-7-14	3.	5-2.1:1.4 4.1-3.5 = 0.6		
1.6-1-11	C	FO		
		polar bonds -> don't concelout		
	Sily	=- polar molecule		
-5.	Sily	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
		1. V.		
	a. Dipole-dipole forces are forces caused poplar	molecules. It occurs when the		
	negative ent of one mobale attracts the positive end of another.			
	the state of the s			
-	London Dispersion Forces are caused the makes	ment of electrons. If there are more		
· *	elections on one end of the molecule, it becomes slightly more			
	negative, forming a dipole.			
	•			
	A las sala salar strong dionle-	dipole force. It must have hydrogen		
	A hydriga bird is a very strong dipole-dipole force. It must have hydrogen burded with either thousand, expens or nitrogen.			
	burded with either moonly oxygen	, or hirroretti		
	b. In Sity only LAF is present.			
	M A L L			
	the molecule is non-polar as there as no polar bonds. This eliminates  The possibility of tipole-dipole or hydrogen bond forces. All molecules have LDFs since all they require is elections. Therefore SiTy has LDFs.			
	The possibility of tipole-dipole or hydrogen bond forces. All modecules			
	have LOFS since all they require is	electrons. Therefore Sily has LDFs.		

1112 3 121 110113 1		
CIVI = CoV2 : 6.0Lof water must		
15(U) = 6(2.0) be added to change the		
V. = 12/1.5 concentration to 1.5 mol/L.		
V, = 8,0L 8.0L is needed in total,		
24Cl(az) + Ba(OH)2(az) -> 2HOH(1) + Ba(12(az)		
0.610mol/L 0.6310L		
x 6-82mol/L		
0.02542 molegay 2 mg		
= 0.05084molya 0.02542mol.		
About 83mb of HCl is		
0-05 084mol = 0-610mol/L = 0.08332 required to neutralize the Ba(OH)2		
1 KOH + HC1 -> HOH + KC1		
6,5 cm 252nl		
-25.7 mt. ? m		
= 30.2ml 6.015/moleon + - 6.015/molece Reid solution		
9 50		
The same of the sa		

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