Experi	nent 5 Lab Re _l	port: Name			Section	(M-1) (M-3) (W-1) (W-3)
Dr. Ha	hn sections	Show all v	vork for partial and full o	credit. Precipitat	tes Lab	Circle your section.
My Lab	Partners wer	e:				Chart 4
	<u> </u>		ss data sheet, you will e port grade. I will eithe		•	•
1.	Attach your own data sheet (my handout) for the solubilities of combination of cations and anions Also attach class data sheet (can be handwritten from posted data or printed out from posted class data, can use your class data or another class data from my posted class data) (6 %)					
	(a) Complete Molecular eq		action of Pb (NO ₃) ₂ with	Na I (12% pts, 4	% pts eac	h)
(aq)	a ₃) ₂ + 2 Na I (aq) Total ionic eq			+		
(-)	rotariomo eq					
(3)	Net ionic equ	ation:				
			forward to product fro or table 4.1 on p. 183 o			explain why briefly.
3 anions		_	a general conclusion abo soluble ionic compound	• •	ons (b) c	harges on cation and
4.	Lattice energy is the energy which holds ionic compounds together in the solid. To get an ion to dissolve, the stability energy from the solvation of the ions in water must be greater than the lattice energy. A high lattice energy usually indicates an ionic compound which tends to precipitate out o solution as a solid. (6 % pts)					
_	ttice energy (i gh likelihood o	-	of compounds) is associa e formation)	ted with (circle A	LL letters	which are associated
	=		v charge on cation (c) h (f) smaller size of catio	_	ion (d) lo	w charge on anion

5. Write out (on the back of this sheet) the expected molecular precipitation reaction for the following if you assume the reaction goes forward. From table 2 <u>row 8</u> reaction with <u>column 2, 5 and 7</u>. (4% each rxn, 12%)