Tonight HW: finish lab sheet Thursday quiz

Friday – no school

Purpose:

Use ACID in a lab to generate gas.

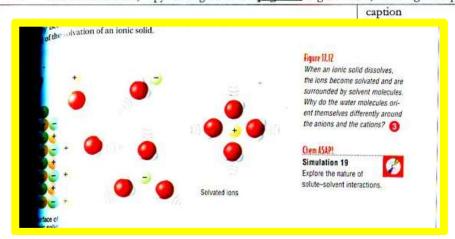
WARMUP copy and solve
"If 243 mL of gas is at 44°C, what will its volume be

because couling, will shrink workume put small # on top





From the textbook, copy the diagrams from page 483 in good detail, including the caption:



For each of the following, Underline compounds that are molecular, circle compounds that are ionic

3. C₂H₃OH CH3OH(L)

For each substance below write a dissociation equation (something like "A(s) -> B(aq) + C(aq)") to describe that substance dissolving:

LiCl This is Konic □molecular (don't forget to write solid, liquid, aqueous next to each symbol)

LiCl → Li + Cl (a)

CH3OH(L) This is <u>□ionic</u> molecular (don't forget to write solid, liquid, aqueous next to each symbol) (b)

Lino This is projected at (don't forget to write solid, liquid, aqueous next to each symbol)

Lino

Lino

Lino

(don't forget to write solid, liquid, aqueous next to each symbol) (c)

NaBr_(s) This is <u>Monic Dmolecular</u> (don't forget to write solid, liquid, aqueous next to each symbol) $NaBr_(s) \rightarrow NaT_{(A(s)} + Br_{(A(s))}$ (d)

C12H22O11(s) This is Dionic molecular (don't forget to write solid, liquid, aqueous next to each symbol) (e)

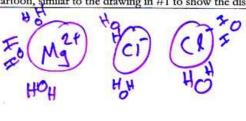
- 4. What is a solution?
- Write the correct formula that each compound would have. Remember, the total charge of any substance is zero charge

	O ²⁻	OH	PO ₄ 3-
Mg ²⁺	MgO	Mg(OH)2	M93(PO4)
K ⁺	, K20	KOH	KaPoy
NH ₄ ⁺	(NHu)O	NHyOH	(NHy) P
Iron(III) ion {what does the III mean?}	Feon	Fe(OH)3	FePou

6. For each description below, fill in one row on the table below

A single Cation (show charge)	A single Anion (show charge)	Formula
Mg2+	CI-	MgCl ₂
H*	D043-	H ₃ PO ₄ (a semi-harmless acid found in cola)
Al3+	0-2	Al ₂ O ₃ ('rusty aluminum', a major component of clay)

7. Draw a cartoon, similar to the drawing in #1 to show the dissolving of MgCl₂ Read the hints below:



If the cation formed is Mg²⁺ and the anion is Cl-, MgCl₂ should create three particles when it dissolves. In your drawing above, make the positive ions say Mg²⁺ and make each negative ion say Cl-.

Circle one choice: Compared to the number of Mg²⁺ cations formed, the number of Cl- anions formed should be (half as many / the same quantity / twice as many)

Eevy Fernanda I
Amaya Aaliyah 2
Ryan Clare 3
Keshawn Jainaba 4
Joseph Ethan 5
Trinity Alberto 6
Alexandra Larry 7
Chad Elvin 8
Quinn Wa
Ian Ashiev IO MERVEM
Tenzin Shane II
Jiselle Emerson 12
Meryam