

STUDY PLAN

I plan to study using these techniques (practice problems, flash cards, having my parents quiz me, study group etc):	These are the things I will need to study with (book, notebook, etc):	I plan to come in and get help from Mrs. Farmer on these days:
These are some things that have worked well for me in the past when studying:	These are some things that I will try differently compared to how I have studied in the past:	I will know I am ready for the benchmark when_____:

EXAM #1 TOPICS *This is not a definitive list. This is just a suggestion to provide general guidance in studying.*

DIRECTIONS: TOPICS IN NO SPECIAL ORDER. Rate each topic on a scale of 15 how well you think you understand it.

1 = "We learned this???" 5 = "I know this so well I could teach it to someone else!"

Topics	Skills	Nt.Bk Pg #	PRE	POST
The mole	Know how many items are in a mole and how big a mole really is!			
Avogadro's Number	Know what Avogadro's Number is			
	Know the units for Avogadro's #			
	Know that particles is generic for things like molecules, atoms, compounds, ions, etc			
Molar Volume	Know what the value for molar volume is			
	Know the units for molar volume			
	Know that molar volume is always the same no matter what the gas is (if it is at the right temperature and pressure)			
Molar Mass	Know what molar mass is and what the units for molar mass			
	Be able to calculate molar mass			
Molar Conversions	Be able to convert from grams → moles → molecules and backwards			
	Be able to use density and molar volume inside a molar conversion			
The Mole Ratio	Understand that the mole ratio helps us convert from a reactant to a product and vice versa			
	Know that the mole ratio is always B/A (what you want over what you have)			
	Be able to use the mole ratio in a calculation			
Stoichiometry	Know that Stoichiometry is the combination of molar conversions and using the mole ratio to perform calculations with balanced equations			
	Be able to perform a Stoichiometry problem from grams A → moles A → moles B → grams A; or molecules instead of grams.			
	Be able to perform Stoichiometry problems with extra conversion steps, like using density, molar volume, metric conversions, etc.			