

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 1-5 how well you think you understand it. 1 = "We learned this???" 5 = "I know this so well I could teach it to someone else!"

Topic #	Topic	Nt.Bk Pg #	PRE	POST
1	Types of nuclear fission/fusion			
2	Description and importance of strong force			
3	Major types of radioactive decay – names, symbols, charges			
4	How to stop each kind of radioactive decay			
5	Writing nuclear equations			
6	Completing a decay series			
7	Definition and equation for half life			
8	Solve half life equation for Ae or As			
9	Solve for % left after an integral number of half lives by dividing by two each time			
10	Using a graph to identify half life, or being able to graph half life			
11	Uses for nuclear chemistry			
12	History of periodic table – Mendeleev and Moseley			
13	Structure of periodic table – groups vs periods			
14	Structure of periodic table – counting valence electrons and which charges atoms will make			
15	Structure of periodic table – names of groups			
16	Structure of periodic table – class of elements – names and properties			
17	Periodic trends – Radius – what, pattern, and why			
18	Periodic trends – Ionization energy – what, pattern, and why			
19	Periodic trends – Electronegativity – what, pattern, and why			
20	Periodic trends – Reactivity – what, patterns, and why			