	Name:		Period:
Nuclear Reaction Guideo	1 Notes		
Nuclear Reactions:	<u> </u>		
	is unstable, it will	and the	nucleus will emit particles.
When the national or an atom		and the	radicas viii cinic parciolesi
A change like this in the nucle	us of an atom is called a	·	
Types of Decay			
b			
Alpha Docay			
Alpha docay is a form of	docay		
	decay		
During alpha decay		_	
Write the examples of alpha de	cay in the notes:		
2 ways to write an alpha particl	e:		
Beta Decay			
	inside the nucleus of the atom		and a
	stays inside the nucleus and a	<sub>'</sub> n	·
examples:			
Practice Problems:			
1. What is an alpha partic	:le?		
2. Where do you think the	e electron comes from in beta decay	?	
3. What do you think is ha	appening in this equation?		
	and determine if it is alpha decay o	•	
a. $\frac{210}{200}Pb \rightarrow -\frac{0}{1}e$	+ Type of de	cay:	
b. $\frac{230}{2}Th \rightarrow \underline{}$	$\underline{}$ + $\frac{226}{88}$ Type of de	cay:	