PDF Quiz 10: In Reactor Chemistry RDCH 702			Last N	Last Name:		
Assigned: 26-Nov-18 Due: 1-Dec-18			First N	First Name:		
	swer using lecture nource.	otes, web pages, cha	art of the nuclides, t	able of the isotop	es or any other suitable	
	What is the typical amount of energy released for each fission event?					
2.	Indicate the fission elements that are in metallic epsilon phases in used fuel					
	□ Pd	□ Мо	☐ Pr		□ Rh	
	□ Zr	□ Тс	☐ Ce		□ Ru	
3.	Identify the fission elements that would be expected to be volatile if breached from nuclear fuel and cladding in a reactor.					
☐ Pd		☐ Cs	☐ Pr			
□ Rb		☐ Tc	☐ Br	☐ Xe		
4.	A typical nuclear power plant has a fuel burnup of 40 GWd/MTHM. What percentage of uranium from an LWR reactor with an initial enrichment of 4 $\%$ <sup>235</sup> U is used for this burnup?					
	%					
	Digital Signature					