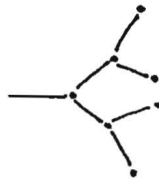


Concept-Development Practice Page

40-1

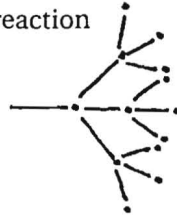
Nuclear Fission and Fusion

1. Complete the table for a chain reaction in which two neutrons from each step individually cause a new reaction.



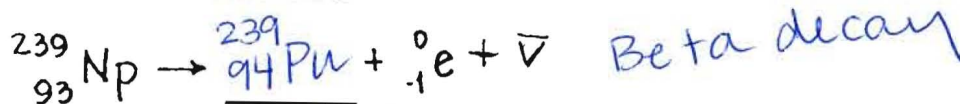
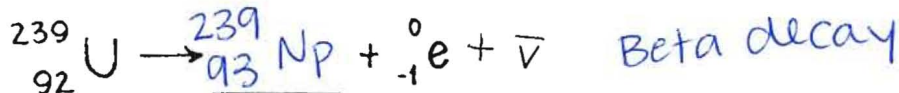
EVENT	1	2	3	4	5	6	7
NO. OF REACTIONS	1	2	4	8	16	32	64

2. Complete the table for a chain reaction where three neutrons from each reaction cause a new reaction.

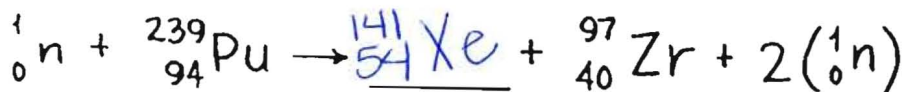
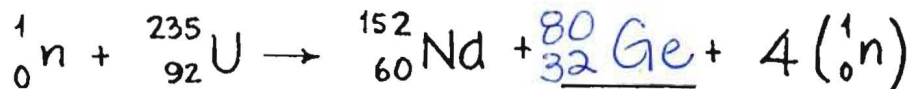
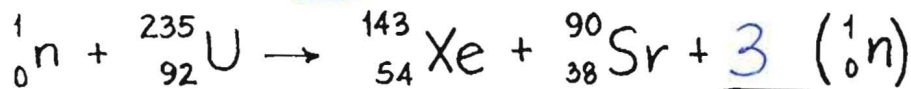


EVENT	1	2	3	4	5	6	7
NO. OF REACTIONS	1	3	9	27	81	243	729

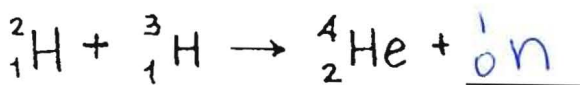
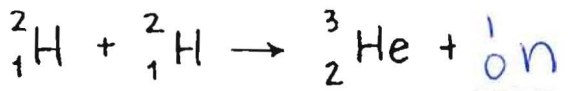
3. Complete these beta reactions, which occur in a breeder reactor.



4. Complete the following fission reactions.



5. Complete the following fusion reactions.



KNOW NUKES!

