

Answer the following questions based on the in class notes

What is a nuclear decay chain?	What is the end product of any nuclear decay chain?

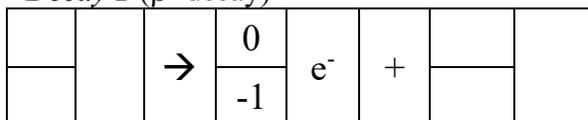
Complete the following nuclear decay chain

Thorium-232 Decay Chain

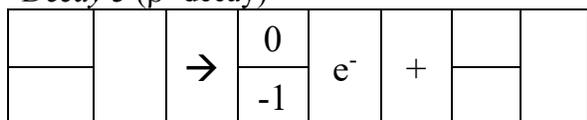
Decay 1 (α decay)



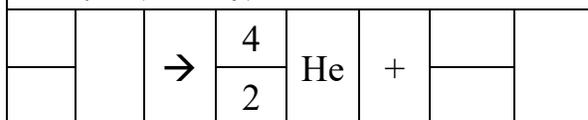
Decay 2 (β- decay)



Decay 3 (β- decay)

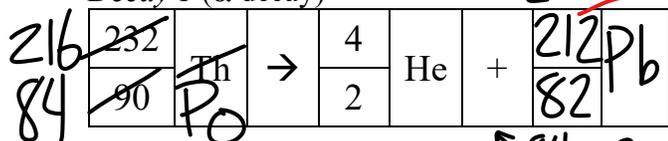


Decay 4 (α decay)

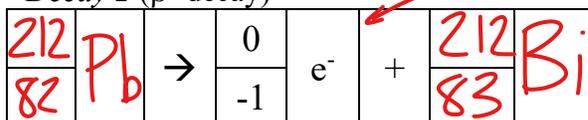


Polonium-216 Decay Chain

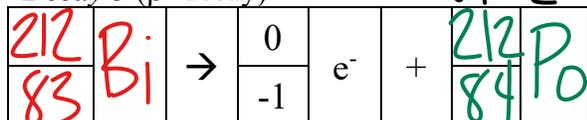
Decay 1 (α decay)



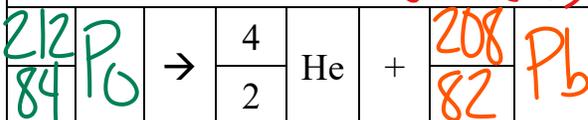
Decay 2 (β- decay)



Decay 3 (β- decay)

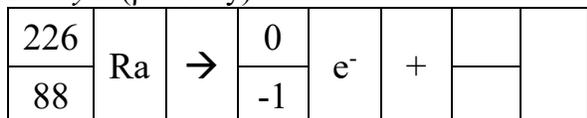


Decay 4 (α decay)

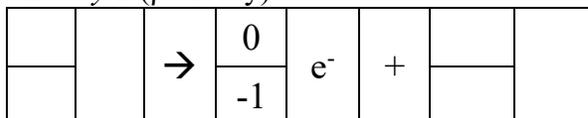


Radon-226 Decay Chain

Decay 1 (β- decay)



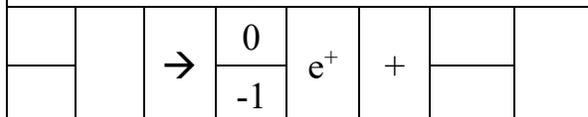
Decay 2 (β- decay)



Decay 3 (α decay)



Decay 4 (β+ decay)



Decay 5 (α decay)



Decay 6 (α decay)

