

Name _____ Period _____

College Prep Chemistry

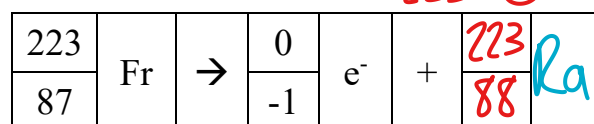
Assignment 1O – Beta (β) Decay Processes

20 Points

Answer the following questions based on the in class notes

What is beta (β^-) decay, and why does it occur in an atom?	What is positron (β^+) emission, and why does it occur in an atom?
e^- that is produced from a $n^0 \rightarrow p^+$ (too many n^0)	e^+ that is produced from a $p^+ \rightarrow n^0$ (not enough n^0)

Complete the following nuclear decay equations showing the decay of common beta and positron emitting isotopes.

(Beta-) $87 - (-1)$ 