

Nuclear Chemistry Unit

STATION 1 - types of radiation

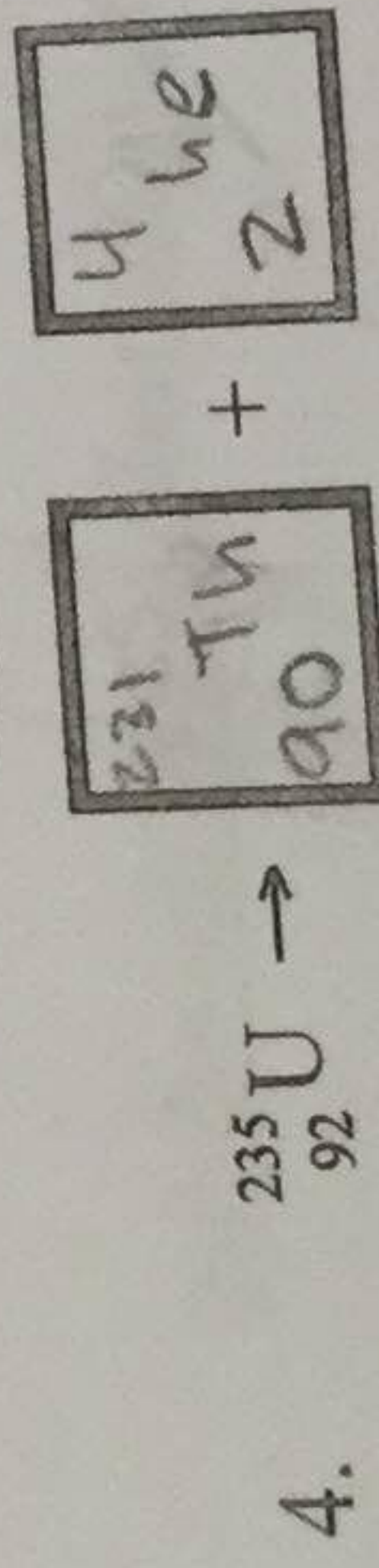
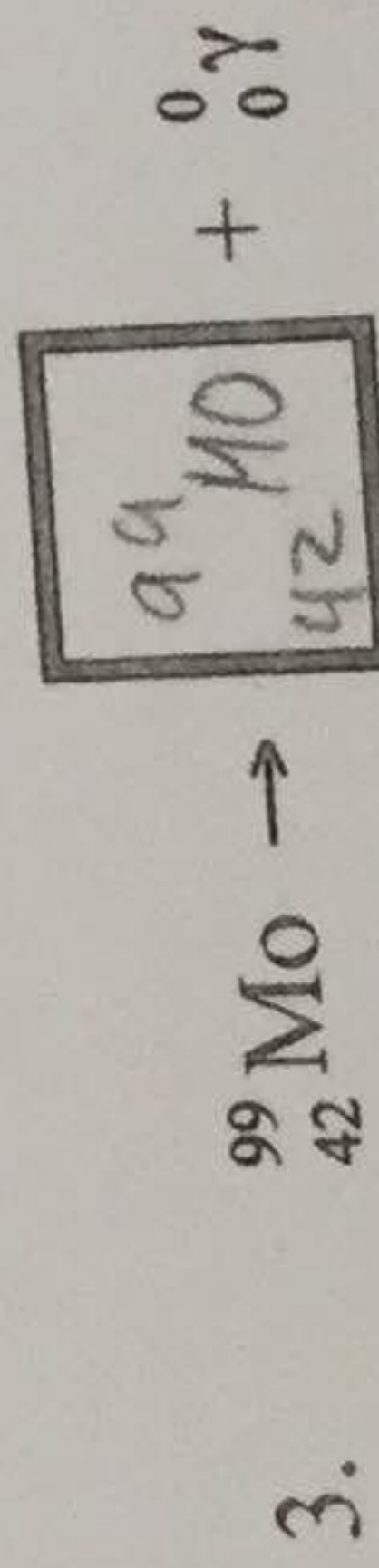
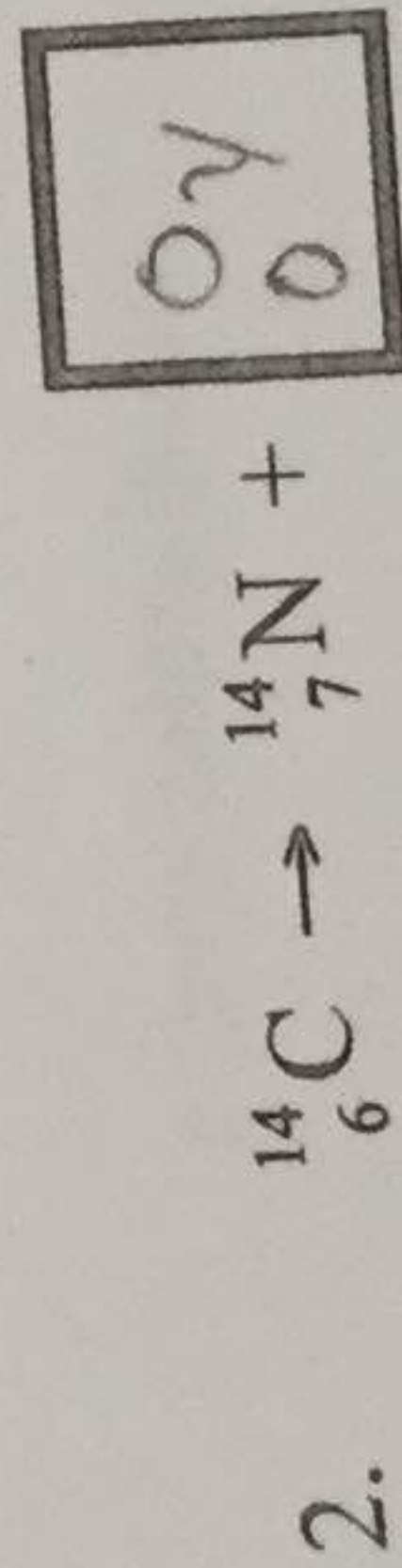
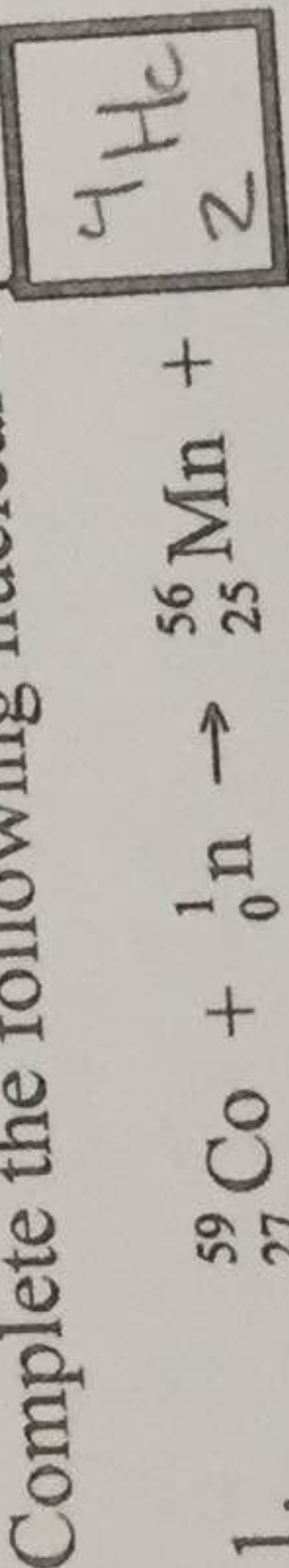
Match the rays with the following ideas. Each ray may be used once, more than once, or not at all.

- a) alpha
b) beta
c) gamma

- a 1. Two protons and two neutrons
 c 2. High speed electron
 a 3. α
 a 4. ${}^4_2\text{He}$
 c 5. Higher energy than x-rays
 b 6. β^-
 a 7. Helium nucleus
 b 8. ${}^0_{-1}\text{e}$

STATION 2 - NUCLEAR EQUATIONS

Complete the following nuclear equations:



(alpha decay)

