

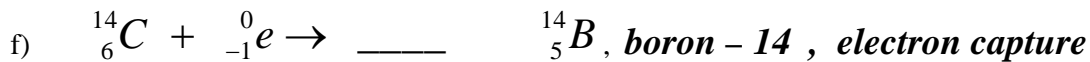
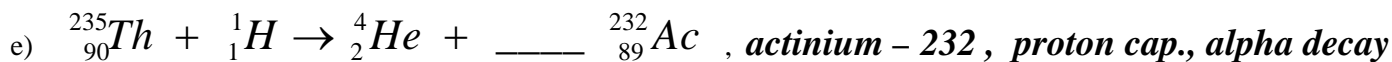
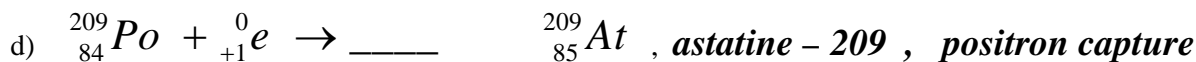
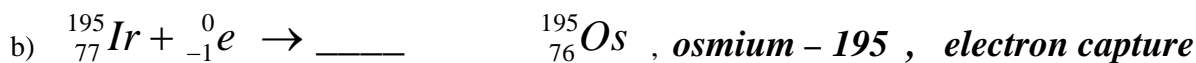
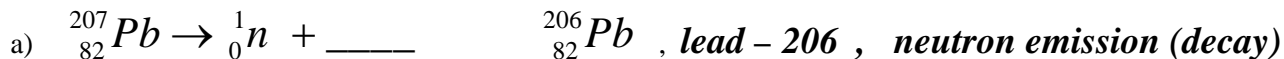
AP CHEMISTRY

TOPIC 10: NUCLEAR CHEMISTRY, PART A

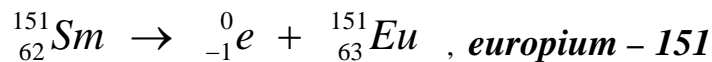
Day 117:

- Radioactivity
 - Types of Radiation
-

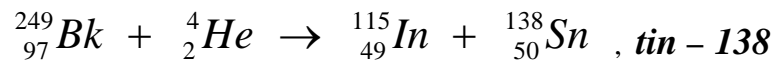
Predict the type of radiation:



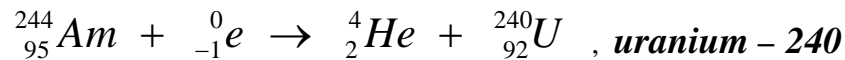
g) Samarium-151 (Sm) undergoes electron decay to form _____.



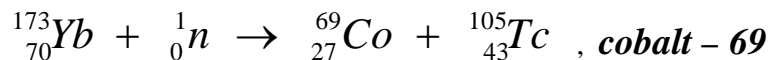
h) Berkelium-249 (Bk) undergoes alpha capture to form indium-115 (In) and _____.



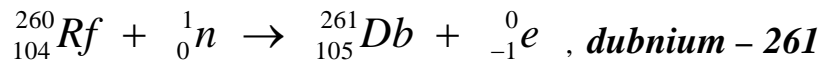
i) Americium-244 (Am) undergoes electron capture to form an alpha particle and _____.



j) Ytterbium-173 (Yb) undergoes neutron capture to form _____ and technetium-105 (Tc).



k) Rutherfordium-260 (Rf) undergoes neutron capture to form _____ and an electron.



l) Californium-252 (Cf) undergoes alpha decay to form _____.

