KEY

① $^{129}_{54}Xe$

② $^{212}_{84}Po$

③ $^{243}_{99}Es$

④ $^{52}_{22}Ti$

⑤ $^{255}_{104}Rf$, $^{251}_{102}No$

⑥ $^{85}_{35}Br$, $^{0}_{-1}e$, $^{85}_{36}Kr$

⑦ $^{32}_{15}P$, $^{32}_{16}S$

⑧ $^{249}_{97}Bk$

⑨ $^{235}_{92}U \rightarrow ^{4}_{2}\alpha + ^{231}_{90}Th$

⑩ $^{144}_{57}La \rightarrow ^{144}_{58}Ce + ^{0}_{-1}e$

⑪ $^{237}_{95}Am \rightarrow ^{233}Np + ^{4}_{2}\alpha$

⑫ $^{229}_{91}Pa \rightarrow ^{4}_{2}\alpha + ^{4}_{2}\alpha + ^{221}_{87}Fr$

⑬ $^{239}_{92}U \rightarrow ^{4}_{2}\alpha + ^{0}_{0}\gamma + ^{0}_{0}\gamma$

⑭ $^{22}_{9}F \rightarrow ^{22}_{10}Ne + ^{0}_{-1}e$

⑮ $^{150}_{64}Gd \rightarrow ^{146}_{62}Sm + ^{4}_{2}\alpha$

⑯ $^{165}_{66}Dy \rightarrow ^{0}_{-1}e + ^{165}_{67}Ho$

⑰ $^{47}_{20}Ca \rightarrow ^{0}_{-1}e + ^{47}_{21}Sc$

Calcium-47

⑱ $^{244}_{96}Cm \rightarrow ^{4}_{2}\alpha + ^{4}_{2}\alpha + ^{0}_{0}\gamma + ^{0}_{0}\gamma + ^{0}_{0}\gamma + ^{236}_{92}U$

Uranium-236