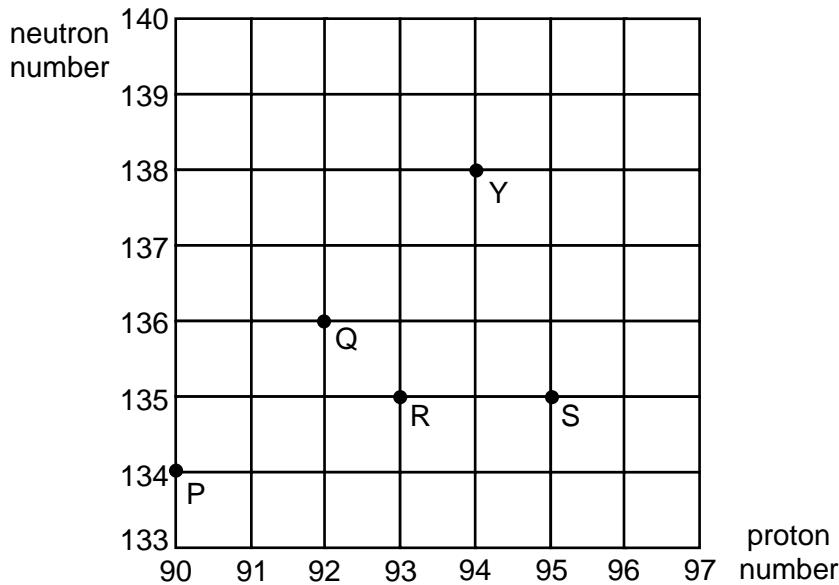


- 30** Isotope Y undergoes two successive decays to form another isotope. Each decay can be either alpha-emission or beta-emission. Four other isotopes P, Q, R and S, are shown on the diagram.



Which of the isotopes P, Q, R and S could be the final isotope after the two successive decays of isotope Y?

- A** P only
- B** P and R
- C** Q, R and S
- D** S only