

35 Radioactive decay is a change in an unstable nucleus which may result in emission of alpha-particles or beta-particles.

Which statement describes how these emissions happen?

- A** Alpha emission is a spontaneous and random process but beta emission is **not**.
- B** Alpha emission and beta emission are both spontaneous and random processes.
- C** Beta emission is a spontaneous and random process but alpha emission is **not**.
- D** Neither alpha emission nor beta emission are spontaneous and random processes.