

- 18 A bungee jumper jumps from a platform and is decelerated by an elastic bungee cord, as shown.



NOT TO SCALE

When the jumper makes the jump, his initial gravitational potential energy relative to the ground is converted into his kinetic energy and into elastic potential energy in the cord.

At which part of the jump are all three types of energy non-zero?

- A** on the platform before the jump
- B** on the way down before the cord has started to extend
- C** on the way down as he decelerates
- D** at the bottom of the jump when he is stationary