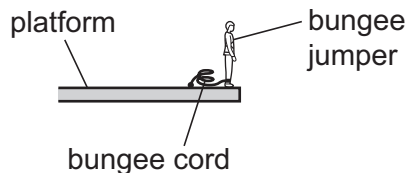



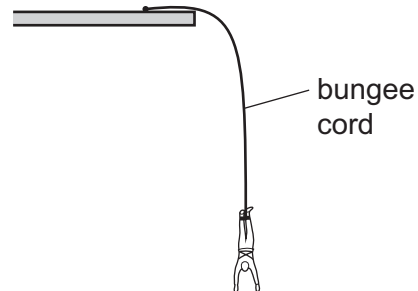
- 16 A bungee jumper jumps from a platform and is decelerated by an elastic bungee cord, as shown.




ground 

before jumping

not to
scale



ground 

during the jump

When the jumper makes the jump, his initial gravitational potential energy 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

- 17 An object of mass 0.20 kg is thrown vertically upwards from the ground with an initial velocity of