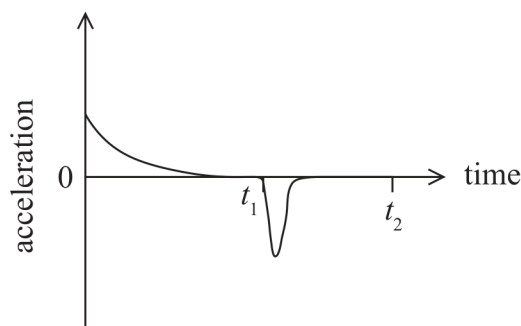


- *14 A skydiver jumps from an aeroplane and accelerates until she reaches terminal velocity. At a time t_1 , she opens a parachute and a second, lower terminal velocity is reached before landing safely at time t_2 .

The acceleration-time graph for the motion of the skydiver is shown.



Explain the shape of the graph. You should refer to the forces acting on the skydiver.

(6)