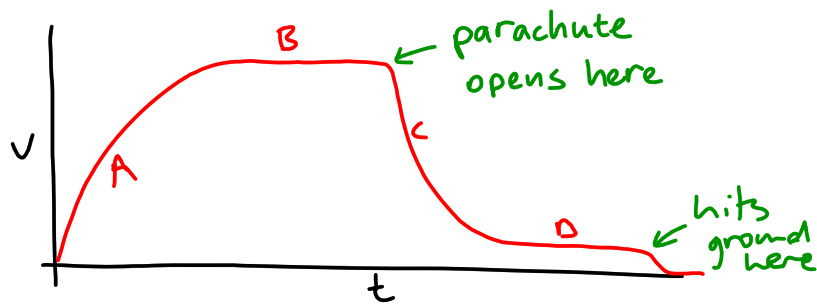
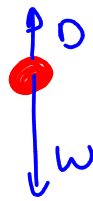


## velocity-time graph for a skydiver



- A** • velocity is increasing  
(i.e. skydiver is accelerating)



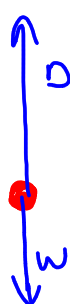
The drag is less than the weight, so there is a resultant force downwards.

- B** • velocity is constant (terminal velocity).



acceleration is zero because the resultant force is zero.

- C** The drag is greater than the weight, so the resultant force is upwards.



The skydiver slows down

- D** Reached terminal velocity\*  
The drag is equal to the weight

