

- 3 A body having uniform acceleration a increases its velocity from u to v in time t . Which expression would **not** give a correct value for the body's displacement during time t ?

A $ut + \frac{1}{2}at^2$

B $vt - \frac{1}{2}at^2$

C $\frac{(v+u)(v-u)}{2a}$

D $\frac{(v-u)t}{2}$