

- 4 A jet aircraft climbs steeply at a speed of  $200 \text{ m s}^{-1}$ .

Which row can give the aircraft's speed over the ground and speed of vertical rise?

	speed over the ground $/\text{m s}^{-1}$	speed of vertical rise $/\text{m s}^{-1}$
A	120	80
B	140	100
C	160	120
D	180	140

- 5 A motorcyclist goes straight up a road at a speed of  $20 \text{ m s}^{-1}$  until he reaches the top of a hill.