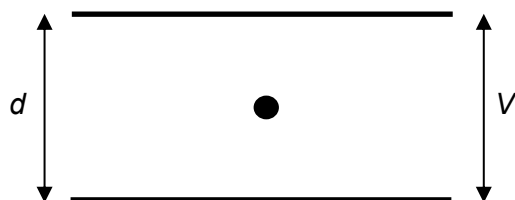


- 16** A charged oil drop is balanced halfway between two horizontal plates separated by a distance d when a potential difference V is applied between the plates.



When d is doubled and V remains unchanged, what is the motion of the oil drop and its acceleration?

	motion of oil drop	acceleration
A	upwards	$0.5g$
B	upwards	$2g$
C	downwards	$0.5g$
D	downwards	$2g$