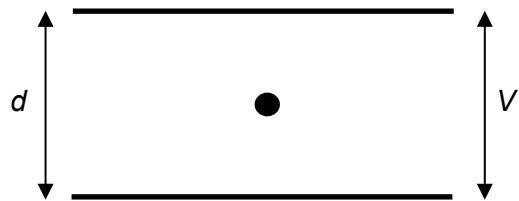


- 16** A charged oil drop is balanced halfway between two horizontal plates separated by a distance  $d$  when a potential difference  $V$  is applied between the plates.



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

	motion of oil drop	acceleration
<b>A</b>	upwards	$0.5g$
<b>B</b>	upwards	$2g$
<b>C</b>	downwards	$0.5g$
<b>D</b>	downwards	$2g$