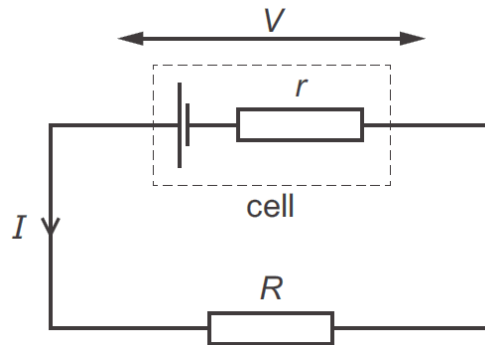


A cell of constant electromotive force drives a current I through an external resistor of resistance R . The terminal potential difference (p.d.) across the cell is V .



When the internal resistance r of the cell increases, what is the effect on V and on I ?

V

I

A

decreases

decreases

B

decreases

increases

C

increases
decreases

D

increases
increases