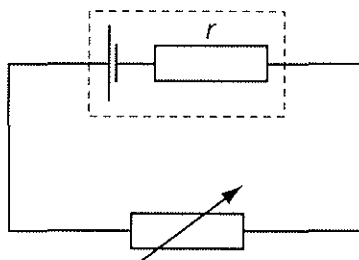**28** A cell has a constant electromotive force and internal resistance r. A variable resistor is connected across its terminals.

The resistance of the variable resistor is gradually increased from zero to $4r$.

What is the effect of this change on the terminal potential difference (p.d.) of the cell and also on the power dissipated in the variable resistor?

	terminal p.d.	power dissipation
A	constant	increases then decreases
B	constant	increases
C	increases	increases then decreases
D	increases	increases