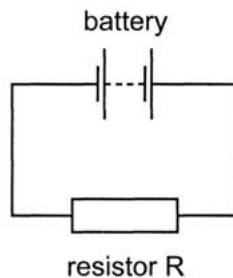


- 26 The diagram shows a battery connected in series with a resistor R.



The current in the circuit is I . Power P is dissipated in the resistor R. Power p is dissipated in the battery itself.

What is the electromotive force (e.m.f.) of the battery?

A $\frac{P}{I}$

B $\frac{P+p}{I}$

C $\frac{P}{I^2}$

D $\frac{P+p}{I^2}$