

**30** In terms of energy transfer  $W$  and charge  $q$ , what are the definitions of potential difference (p.d.) and electromotive force (e.m.f.)?

	p.d.	e.m.f.
<b>A</b>	$\frac{W}{q}$	$\frac{W}{q}$
<b>B</b>	$\frac{W}{q}$	$Wq$
<b>C</b>	$Wq$	$\frac{W}{q}$
<b>D</b>	$Wq$	$Wq$

**31** What is the unit of resistivity?