

- 12** A 40 W filament lamp has been operating normally for some time so that its temperature is stable.

Which of the following shows the correct quantities with respect to the filament?

	rate of heating the filament / W	rate of doing work on filament / W
<b>A</b>	- 40	+40
<b>B</b>	0	+40
<b>C</b>	+40	0
<b>D</b>	+40	-40