*16JS ARAC AMBridge. COM

30 Which values of current and resistance will produce a rate of energy transfer of 16 Js

	current/A	resistance/ Ω
Α	1	4
В	2	8
С	4	1
D	16	1

31 A cylindrical wire 4.0 m long has a resistance of 31 Ω and is made of metal of resistivity $1.0 \times 10^{-6} \Omega$ m.

What is the radius of cross-section of the wire?

- **A** $1.0 \times 10^{-8} \, \text{m}$
- **B** $2.0 \times 10^{-8} \, \text{m}$
- ${f C} = 6.4 \times 10^{-8} \, {f m}$
- **D** $2.0 \times 10^{-4} \, \text{m}$

Space for working