

3 A 1.5 V cell supplies 0.20 A to a lamp for seven hours before the lamp goes out.

What is a sensible estimate for the initial chemical energy content of the cell?

A 1×10^2 J

B 1×10^4 J

C 1×10^6 J

D 1×10^8 J

4 Three of these quantities have the same unit.