

19 The battery of a small tablet computer is initially uncharged. It is connected to a constant 10W power supply for 2.0 hours to charge the battery.

The efficiency of the charging process is 80%.

What is the total energy stored in the battery?

A  $1.6 \times 10^1 \text{ J}$

B  $1.6 \times 10^3 \text{ J}$

C  $5.8 \times 10^4 \text{ J}$

D  $5.8 \times 10^6 \text{ J}$