

- 31** A 12 V battery is charged for 20 minutes by connecting it to a source of electromotive force (e.m.f.). The battery is supplied with  $7.2 \times 10^4$  J of energy in this time.

How much charge flows into the battery?

- A** 5.0 C                      **B** 60 C                      **C** 100 C                      **D** 6000 C

- 32** What is meant by the electromotive force (e.m.f.) of a cell?