

- 17** The total energy supplied to an electric motor is  $E$ . Energy  $Q$  is wasted and the remaining energy does useful work.

What is the efficiency of the motor?

**A**  $\frac{Q}{E}$

**B**  $\left(\frac{Q}{E}\right) - 1$

**C**  $1 - \left(\frac{Q}{E}\right)$

**D**  $\frac{(1-Q)}{E}$