

**32** Which equation is used to define resistance?

**A**  $\text{energy} = (\text{current})^2 \times \text{resistance} \times \text{time}$

**B**  $\text{potential difference} = \text{current} \times \text{resistance}$

**C**  $\text{power} = (\text{current})^2 \times \text{resistance}$

**D**  $\text{resistivity} = \text{resistance} \times \text{area} \div \text{length}$

**33** A p.d. of 12 V is connected between P and Q