

**33** A copper wire is stretched so that its diameter is reduced from 1.0 mm to a uniform 0.5 mm.

The resistance of the unstretched copper wire is  $0.2\ \Omega$ .

What will be the resistance of the stretched wire?

**A**  $0.4\ \Omega$

**B**  $0.8\ \Omega$

**C**  $1.6\ \Omega$

**D**  $3.2\ \Omega$

**34** Four statements about potential difference or electromotive force are listed