

23 In the direction opposite of an electric field line, which of the following must be true?

- A** The potential must decrease.
- B** The potential must increase.
- C** The electric field strength must decrease.
- D** The electric field strength must increase.

24 A square coil of 10 turns with sides of 5.0 cm is placed so that the plane of the coil makes an angle of 30° with a uniform magnetic field of 0.50 T. The magnitude of the magnetic flux through the coil is approximately