

19 Electric fields are often represented by diagrams of field lines.

What is an electric field line?

- A a line along which electric potential is constant
- B a line along which the electric force on a small positive test charge is constant
- C a line along which the magnitude of the electric potential gradient is constant
- D a line indicating the direction of the electric force on a small positive test charge

20 Two point charges,  $Q_1$  and  $Q_2$ , exert a force of 2.0 N on each other.