Capacitor (device):

- Two oppositely charged conductors separated by an insulator.

- The charges $+Q$ and $-Q$ on conductors generate an electric field $\vec{E}$ and a potential difference V (voltage).

- Only one conductor may be present. Then the relevant potential difference is between the conductor and a point at infinity.

Capacitance (device property):

- Definition: $C = \dfrac{Q}{V}$

- SI unit: 1F = 1C/V   (one Farad)