

## Definitions and Concepts for CAIE Physics A-level

### Topic 19: Capacitance

---

**Capacitance:** The charge stored per unit pd in a capacitor.

**Capacitors in Parallel:** When capacitors are connected in parallel, their individual capacitances are summed to give the total capacitance.

**Capacitors in Series:** When capacitors are connected in series, the total capacitance is equal to the inverse of the sum of the inverses of the individual capacitances.

**Parallel Plate Capacitor:** A capacitor made up of two parallel conducting plates with an insulator between them (dielectric).

This work by [PMT Education](https://www.pmt.education) is licensed under [CC BY-NC-ND 4.0](https://creativecommons.org/licenses/by-nc-nd/4.0/)

