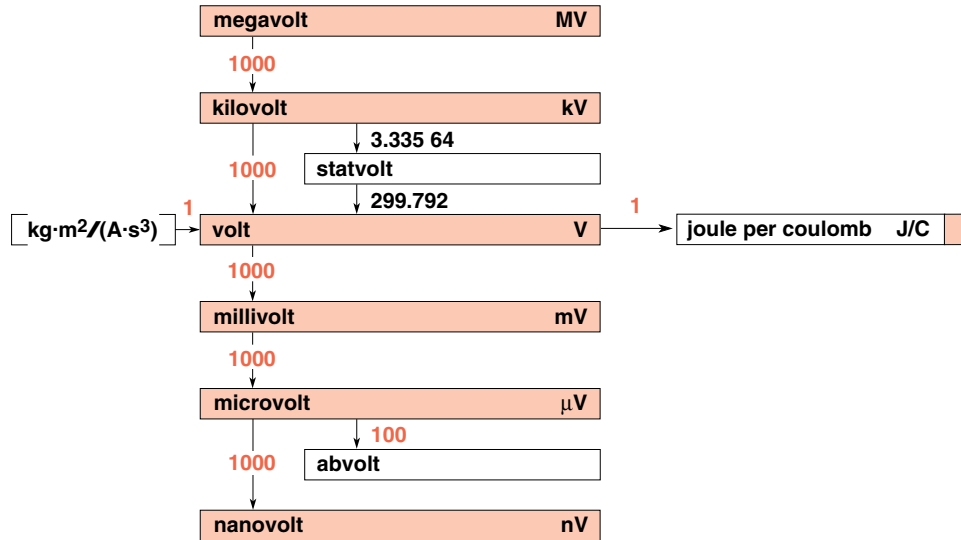


VISUALIZING SI UNITS

ELECTRICITY

ELECTROMOTIVE FORCE (E)



Example: Express 3 kilovolts in terms of SI base units

Solution: $3 \text{ kV} = 3 (\times 1000) (\times 1) \text{ kg}\cdot\text{m}^2/(\text{A}\cdot\text{s}^3) = 3000 \text{ kg}\cdot\text{m}^2/(\text{A}\cdot\text{s}^3)$