

- Potential
  - Relationship with Energy, Force, E field
  - How to calculate
    - From E field, or given  $V$  – get E
  - Electron Volt
- Capacitors
  - How to calculate capacitance
  - Series/parallel
  - Dielectrics
  - Energy Storage
- Current & Resistance
  - Battery, flow of charge
  - Ohm's law
  - Resistivity
- Simple DC Circuits
  - Current through Resistors in single loops
  - Multiple batteries
  - Simple multi-loop circuits and Kirchhoff's laws.

Chapter 23: 31 (hard), 35 (hard), 37, 39, 43 (hard), 45, 47, 49, 51, 55, 59 + General Problems.

Chapter 24: 1, 3, 5, 7, 9, 11, 13, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 39, 41, 43, 45, 47, 51, 53, 55, 57, 59 + General Problems.

Chapter 25: 1, 3, 5, 7, 9, 11, 21, 27, 29, 31, 33, 35, 37, 39 + General Problems.

Chapter 26: 1, 5, 7, 9, 11, 13, 15, 19, 21, 23, 25, 27, 31 + General Problems.