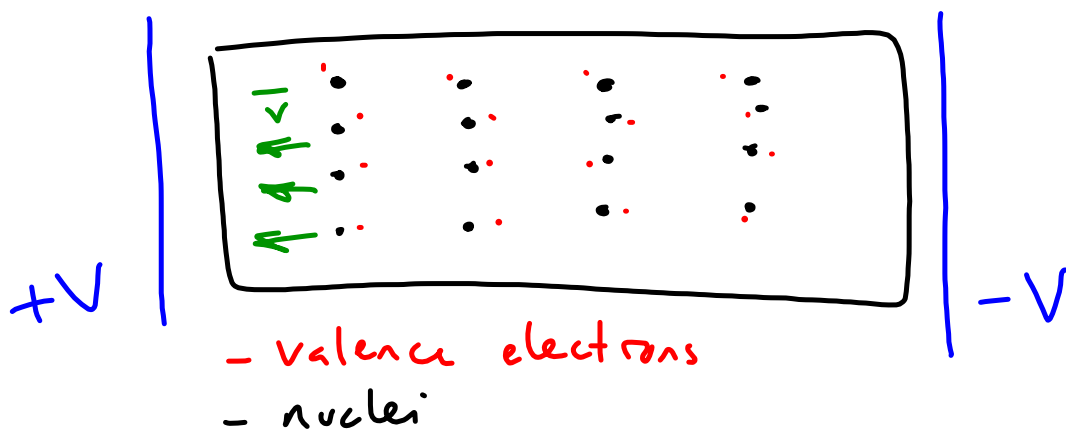


MAGNETIC FIELDS

- Moving charged particles have both electric and magnetic fields.
- Short aside into electric current:
 - Electric current I is the number of e^- per second that enter a section of a conductor.
 - Sea of electrons



$$I = \frac{dQ}{dt}$$

$$R = \frac{\rho l}{A}$$

↓
Resistance

↓
Resistivity → how easy is it for electrons to flow?

→ length

↓
Area