

Induced EMF

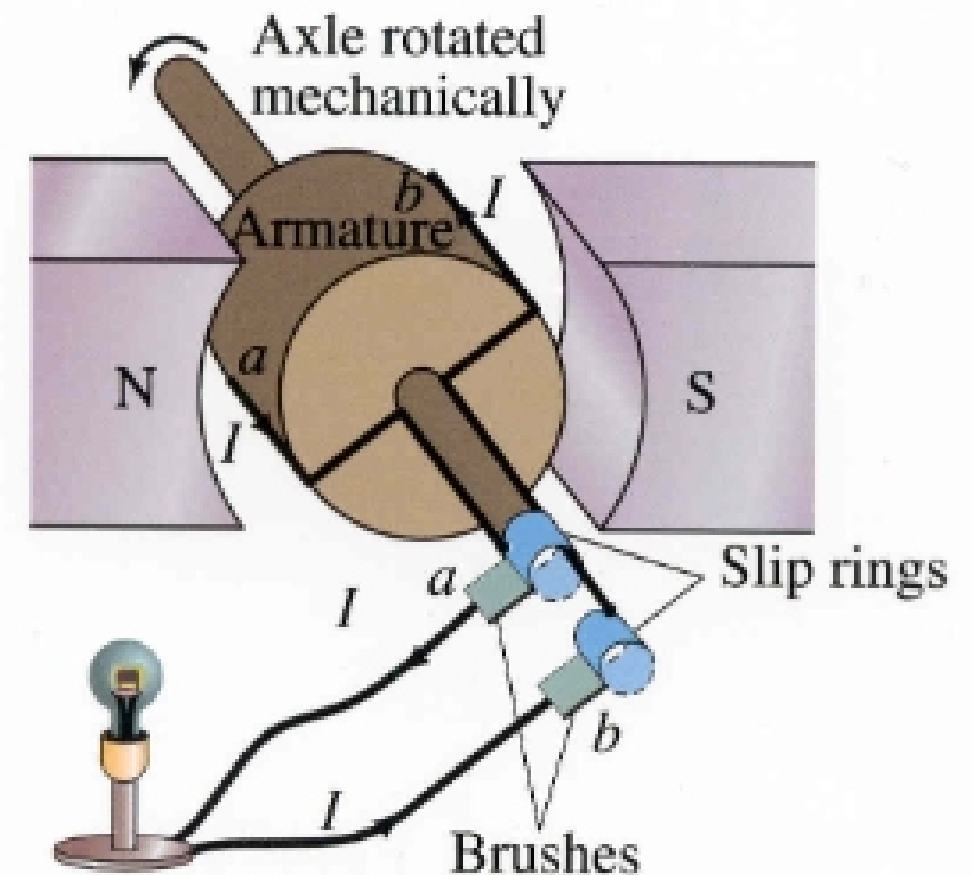
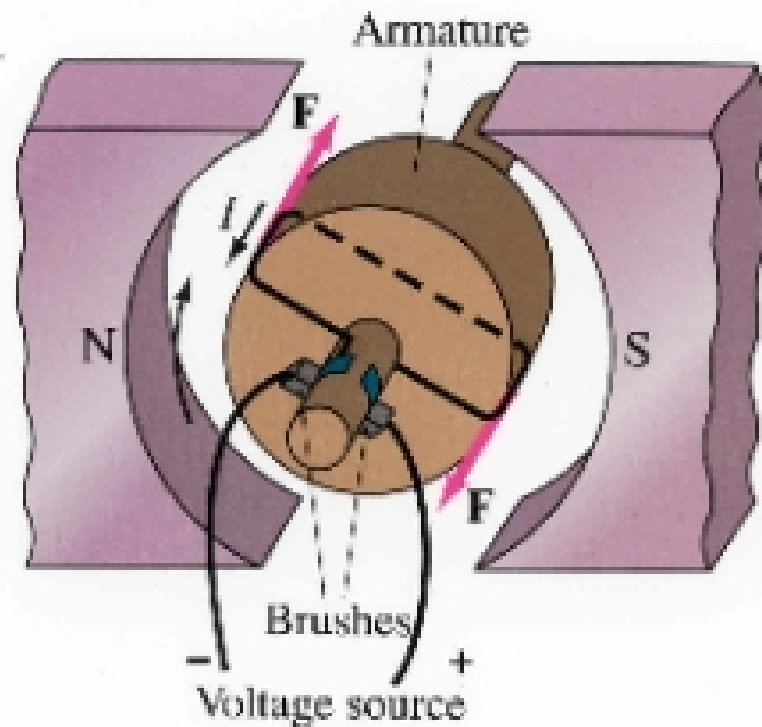
Generators , Transformers

Physics 114

Concepts

- **Electric generator**
- **Magnetic flux**
- **Induced EMF**

Electric motor \leftrightarrow electric generator



- **Electric motor:**

- electric energy \rightarrow mechanical.
- Current loop rotates in magnetic field

- **Electric generator:**

- mechanical \rightarrow electric energy
- conductor loop rotating in magnetic field produces electric current