

FARADAY'S LAW AND LENZ'S LAW

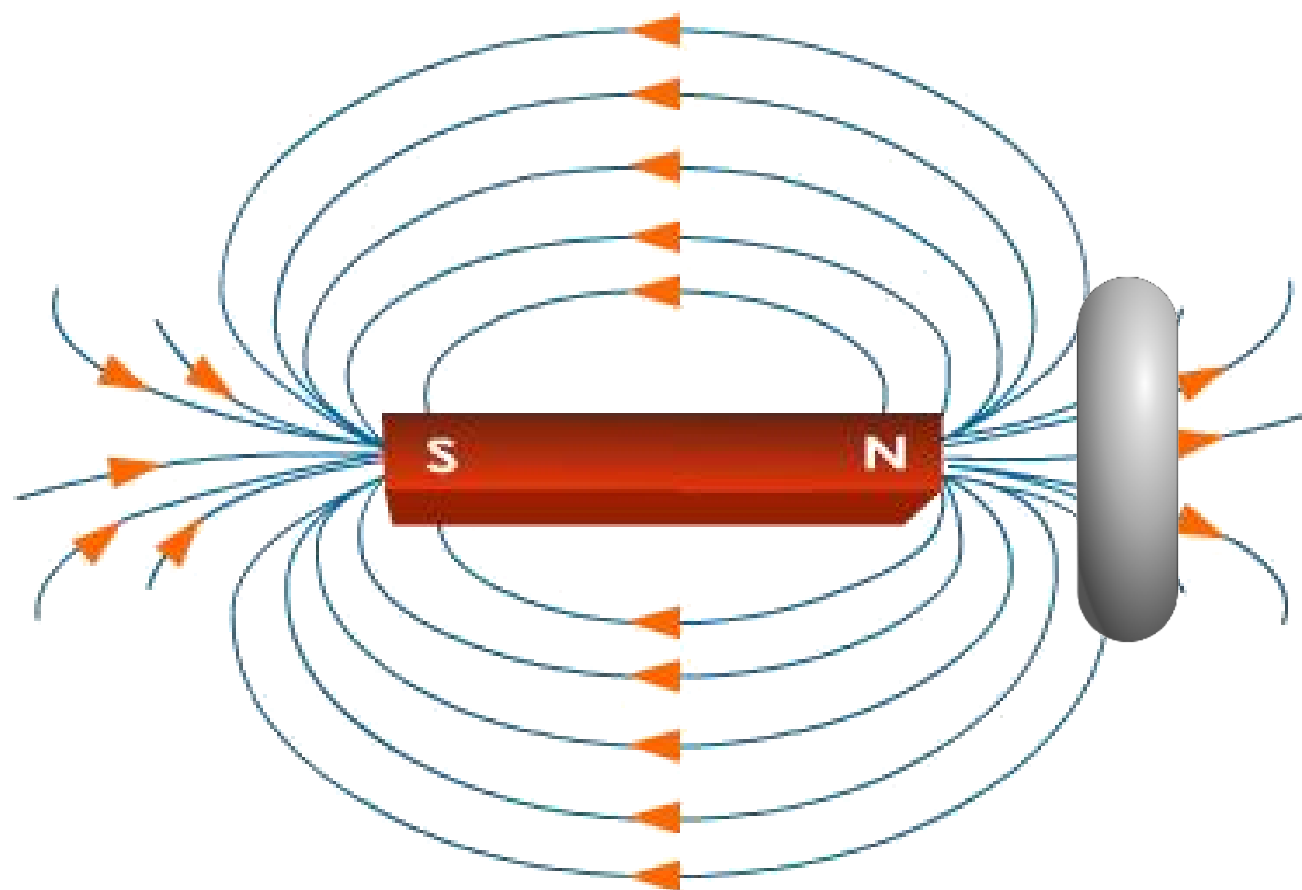
Prof. Stephen Sekula

11/5/2010

Supplementary Material for
PHY1308 (General Physics -
Electricity and Magnetism)

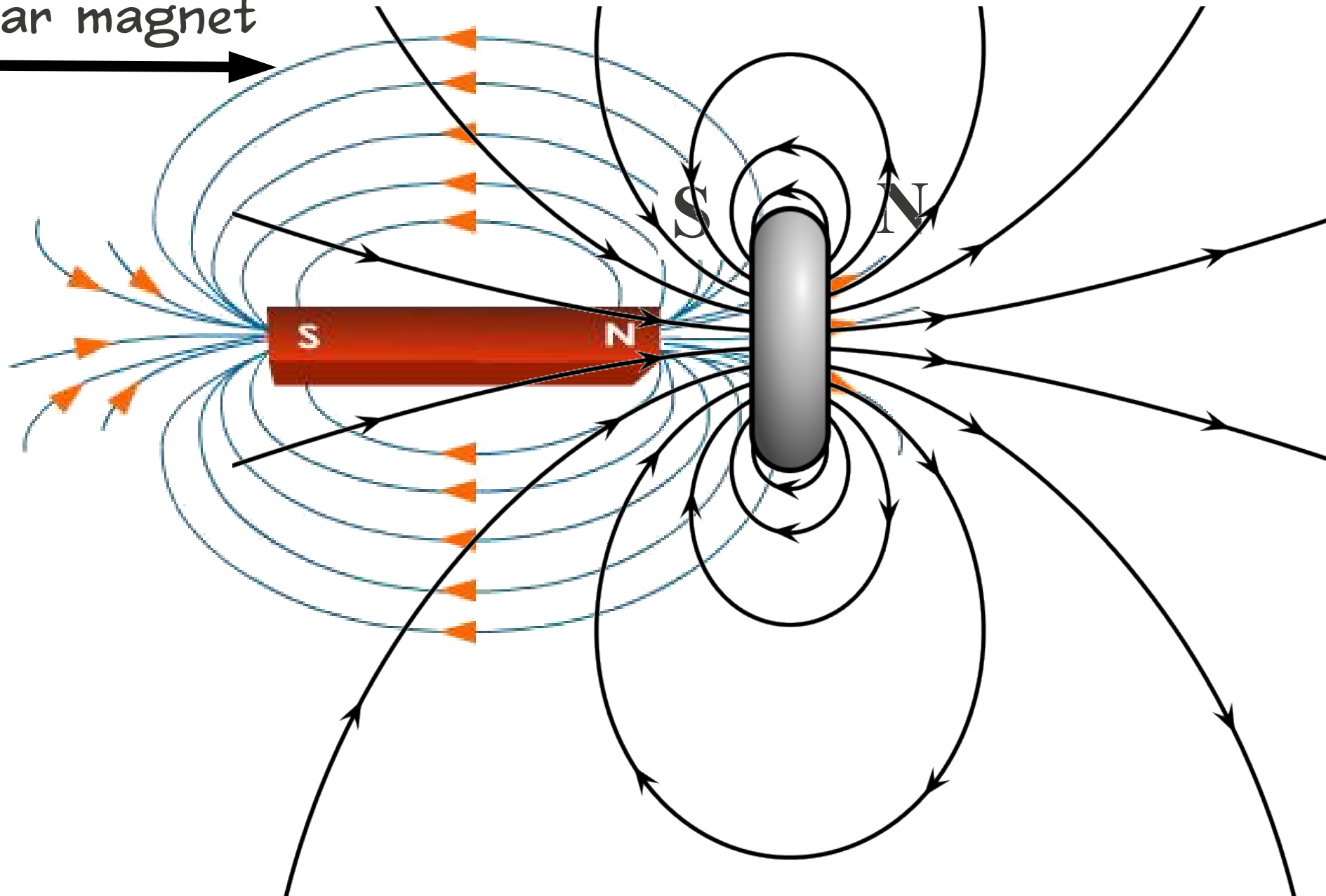
ANNOLINCEMENTS

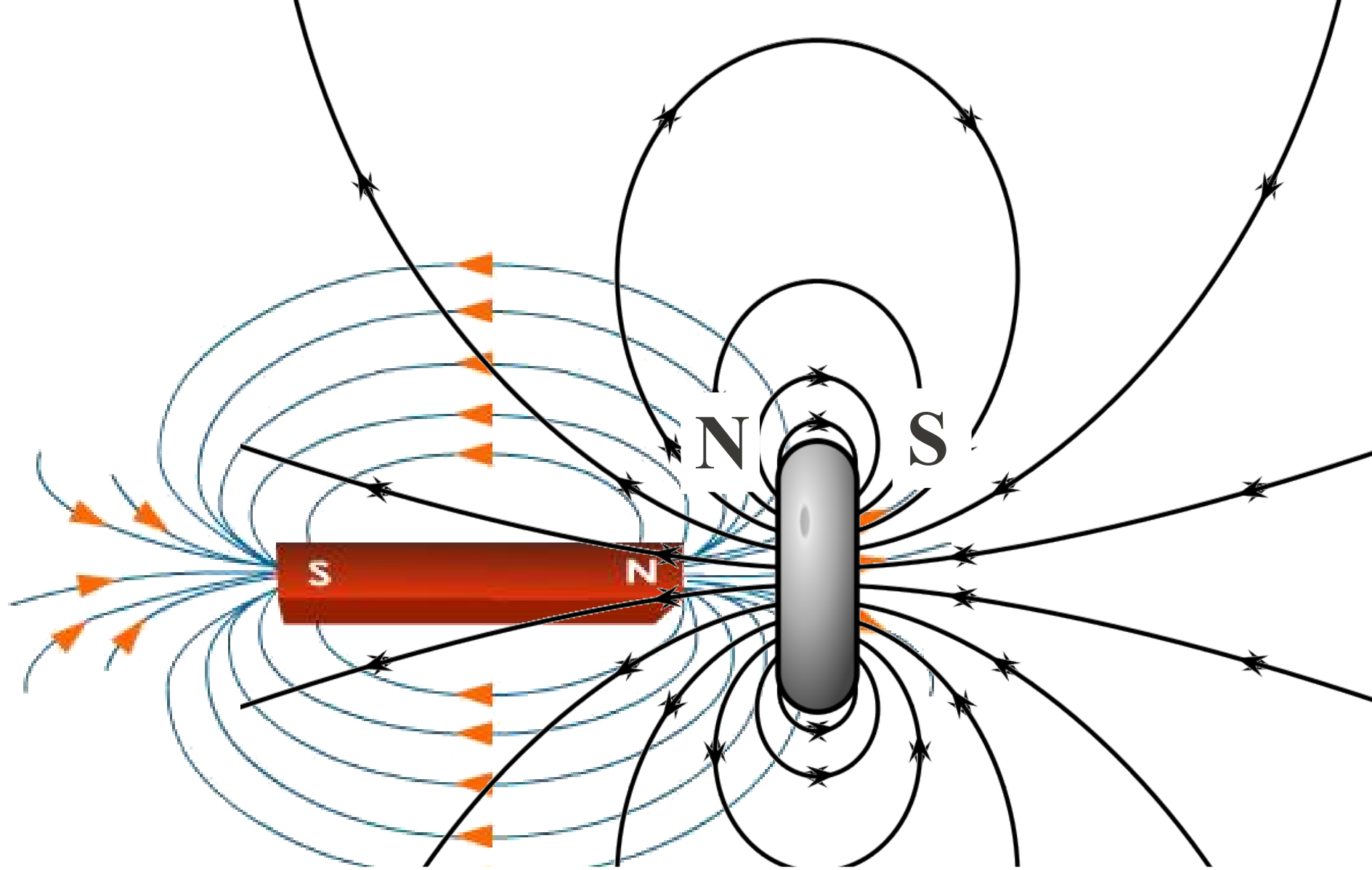
- Homework 10:
 - Due Monday at 5pm
 - Covers CH26, CH27.1-27.2
- Next Exam
 - November 19, in class
 - Covers Chapters 26-27 (magnetism)



WHAT IF...

Push the
bar magnet

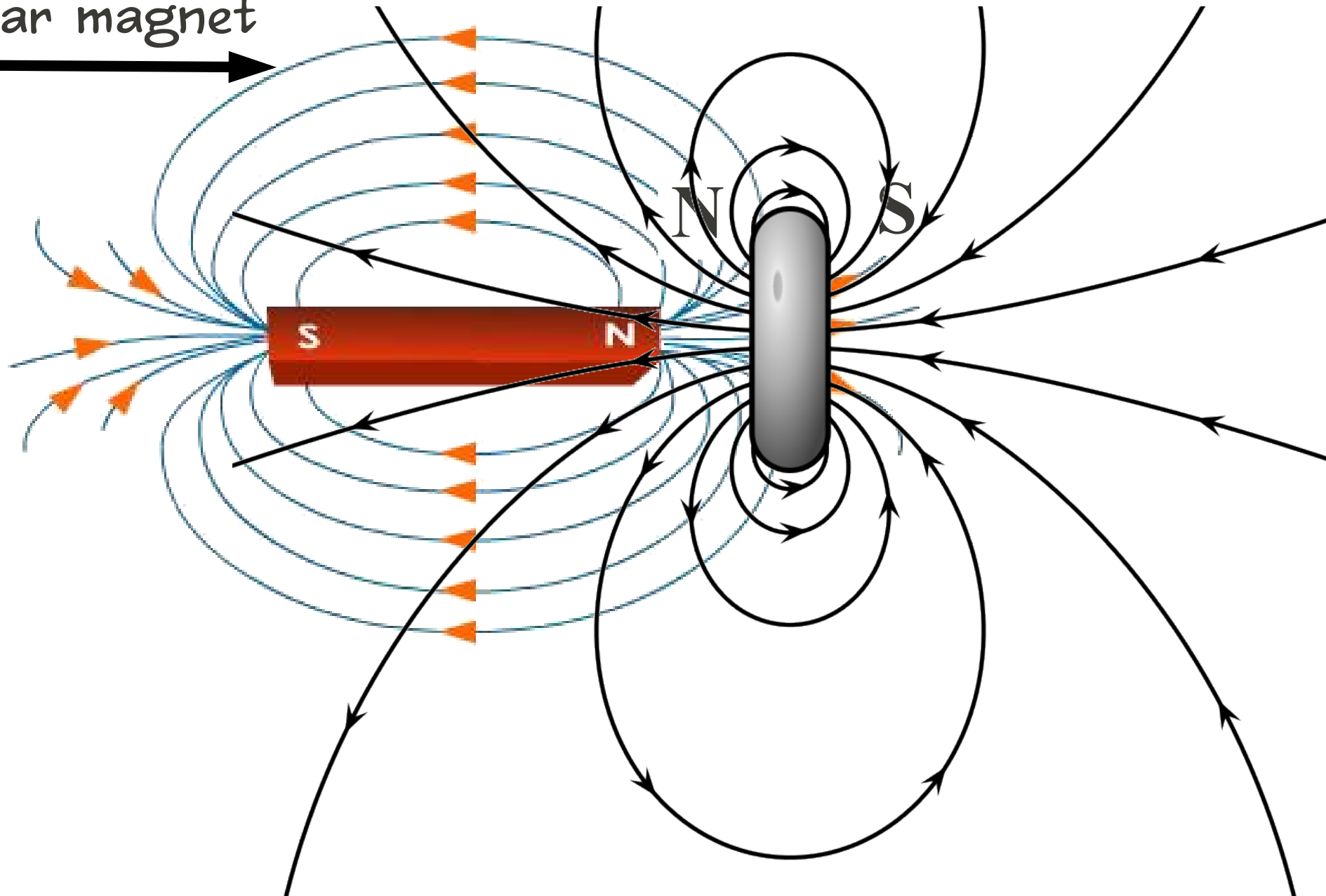


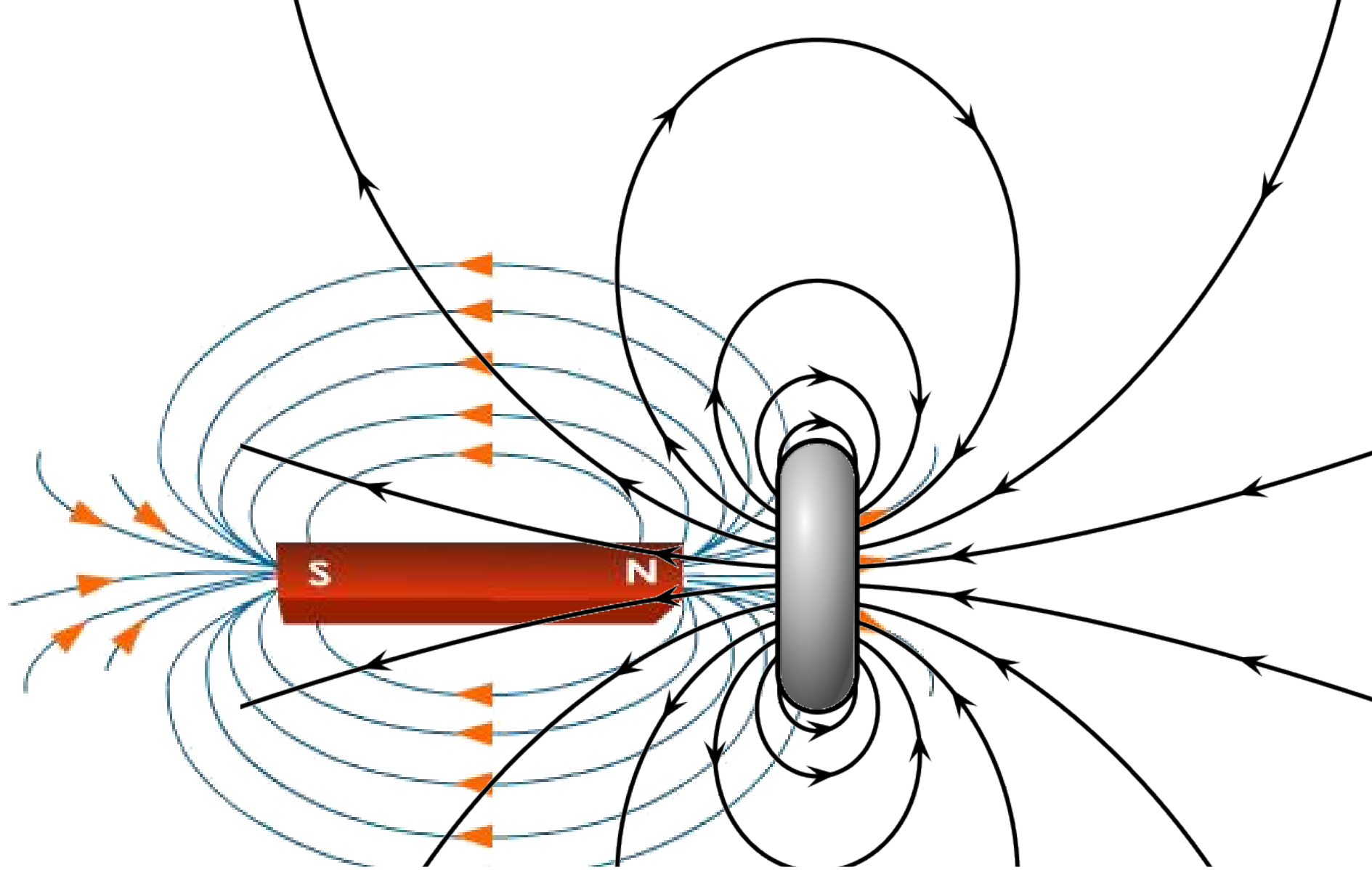


Violates conservation of energy, since the bar magnet continues to accelerate without work being done.

REALITY

Push the
bar magnet





Energy is conserved - mechanical work transformed into current in wire, which resists bar magnet and heats the wire.