

CONCEPT: SUMMARY OF MAGNETISM PROBLEMS

- Remember: Electric Charges and Magnets both **(a)** PRODUCE A FIELD and **(b)** FEEL A FORCE:

- Most Magnetism problems have to do with calculating the magnitude of:

(1) A(n) _____ Magnetic Field being PRODUCED;

(2) A Force FELT due to a(n) _____ Magnetic Field.

- We will calculate Fields PRODUCED BY and Forces FELT BY Electric → (i) _____, (ii) _____.

- What about Magnets? No calculations, only directions!

→ KEY Difference: Magnets **ALWAYS** Produce Fields AND Feel Forces.

- Electric CHARGES produce Fields AND feel Forces **ONLY IF** they are _____.

- Electric WIRES produce Fields AND feel Forces **ONLY IF** they have _____.

PRODUCING NEW B-FIELDS

FEELING FORCE IN B-FIELDS

