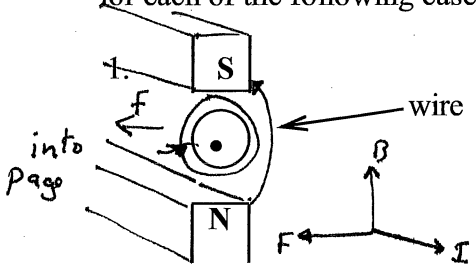
Note: B is the external Magnetic Field and NOT the magnetic field generated by the wire.

Key

Grade 11 Physics **FIELDS ASSIGNMENT**

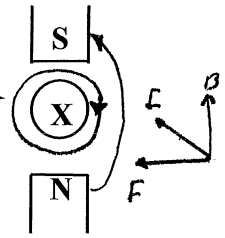
State the direction of the magnetic field, **B**, the force, **F**, and the direction of conventional current, p^+, for each of the following cases.

1.



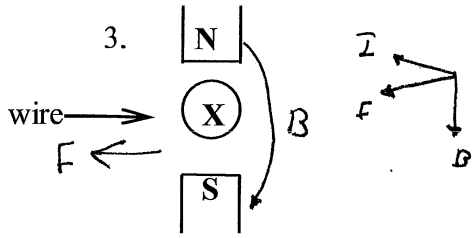
B up
p⁺ out of page
F to left
e⁻ into page

2.



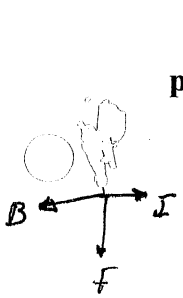
B up
p⁺ into page
F right
e⁻ out of page

3.



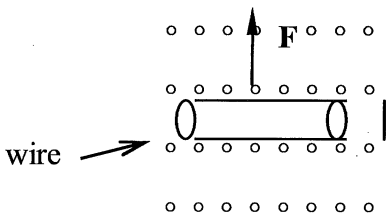
B down
p⁺ into page
F left
e⁻ out of page

4.



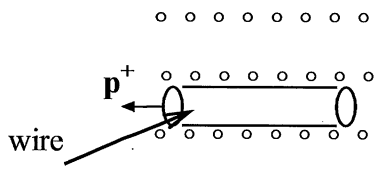
B out of page
p⁺ right
F down
e⁻ left

5.



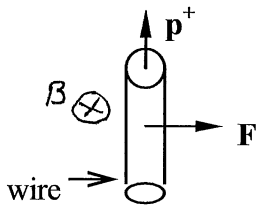
B out of page
p⁺ left
F up
e⁻ right

6.



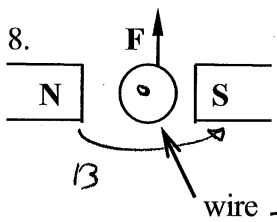
B out of page
p⁺ left
F up
e⁻ right

7.



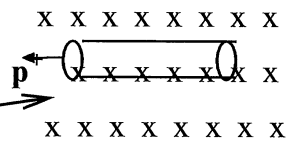
B into page
p⁺ up
F right
e⁻ down

8.



B right
p⁺ out of page
F up
e⁻ into page

9.



B into the page
p⁺ left
F down
e⁻ right

p+ is the conventional current