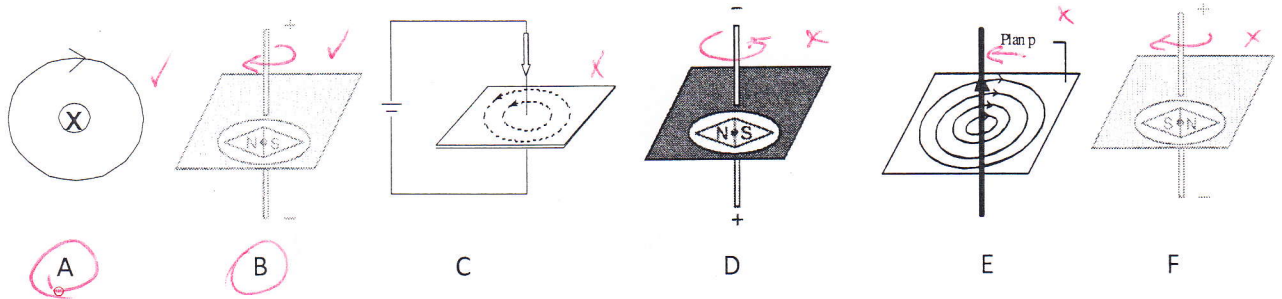
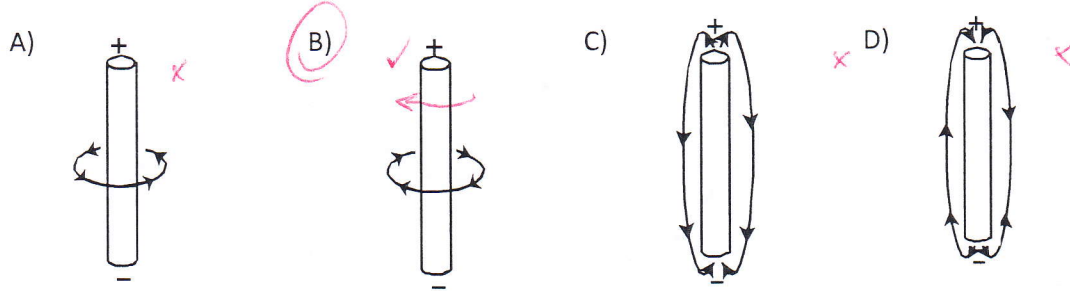


Electromagnetism: Straight Wires

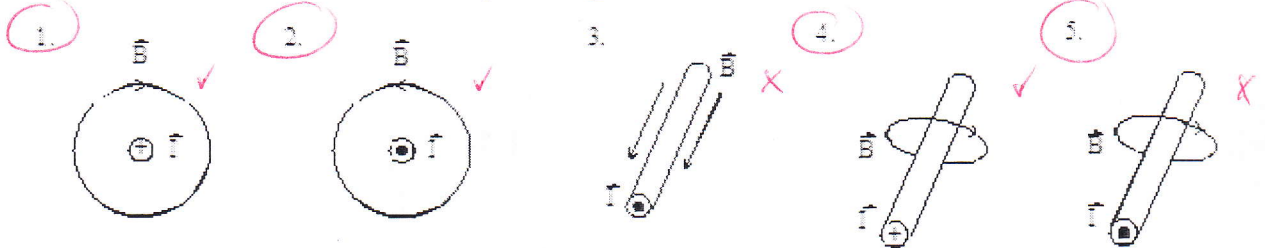
1. Which diagram(s) correctly show the relationship between the magnetic field and the electric current producing it?



2. An electric current flows through a straight wire and produces a magnetic field. Which of the following diagrams correctly represents this magnetic field?



3. Study the five diagrams below. Which diagram(s) correctly show the relationship between a magnetic field and the electric current producing it?



4. A magnetic compass is placed on the piece of cardboard near the wire. Which of the following diagrams shows the direction in which the compass needle will point?

