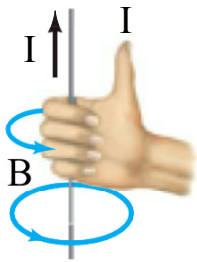
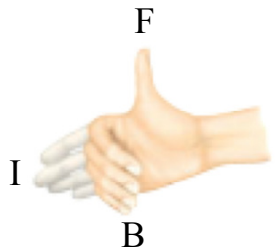
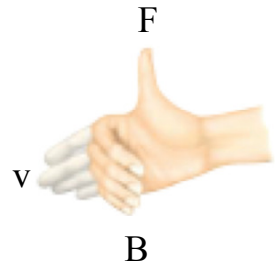


Summary of Right-hand Rules (= RHR)

| Physical Situation | Example | How to Orient Right Hand | Result |
|--|--|---|--|
| 1. Magnetic field produced by current (RHR-1) |  | Wrap fingers around wire with thumb pointing in direction of current I | Fingers curl in direction of B |
| 2. Force on electric current I due to magnetic field (RHR-2) |  | Fingers first point straight along current I , then bend along magnetic field B | Thumb points in direction of the force F |
| 3. Force on electric charge $+q$ due to magnetic field (RHR-3) |  | Fingers point along particle's velocity v , then along B | Thumb points in direction of the force F |