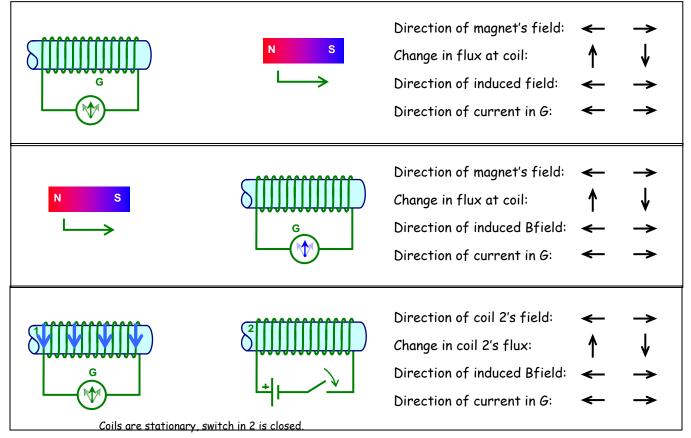


1)⁶ For the coils and magnets below, answer the questions to the right, draw direction for the original and induced magnetic fields (B and B_{ind}) and current in the front of the coil (up or down).



2)⁴ Explain the right hand rules:

example) The force on a charged particle moving in a magnetic field: Place your fingers along the velocity in the direction of motion and curl them to point along B. Your thumb then points in the direction of the force on a positive charge

- **a**)² The force on a current segment in a magnetic field (F = IL \times B)
- **b)**² The magnetic field of a current loop



Name _