



A diagram illustrating the magnetic field lines of a bar magnet. The top magnet has its North pole (N) facing up and its South pole (S) facing down. The bottom magnet has its South pole (S) facing up and its North pole (N) facing down. Magnetic field lines are shown as arrows originating from the North poles and terminating at the South poles. The lines are densest near the poles and spread out as they move away from the magnets. There is a noticeable gap in the field lines between the two magnets, indicating a region of low magnetic field strength.