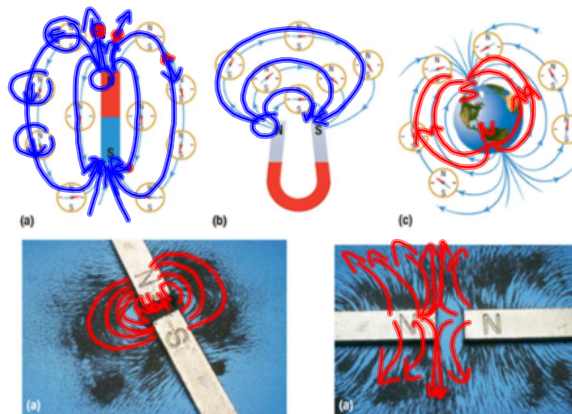
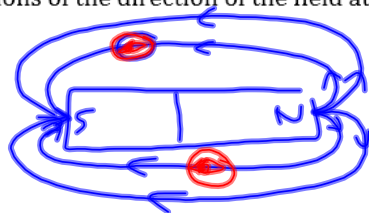


SPH3U 12.1 Magnetic Fields**1. Magnetic fields**

Magnets:	create a magnetic field which causes things around them to experience a force (like gravity).
Magnetic field:	area of space that is affected by an object's magnetic force.
direction	more complicated than gravity (use field lines).
magnetic field lines	① always point from North pole to South pole <u>outside</u> the magnet, and S to N inside ② <u>never</u> cross each other. ③ <u>closer</u> together where the field is stronger



Draw a bar magnet (north and south poles) and its magnetic field lines, including compass indications of the direction of the field at various points.



Homework: page 552: #5-6