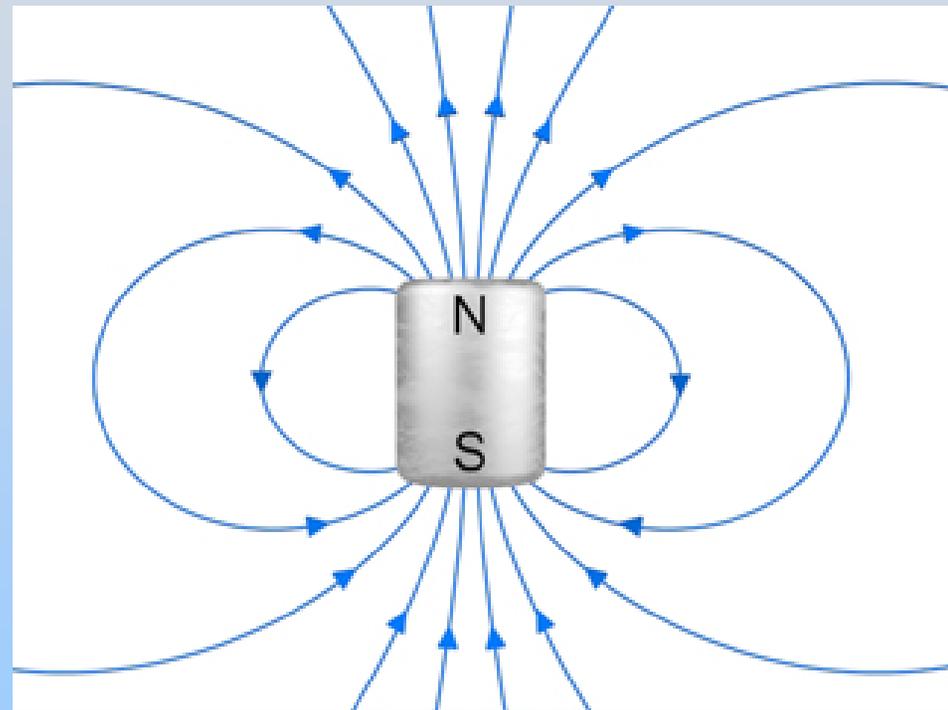


Concept Question: Magnetic Field Lines

The picture shows the field lines outside a permanent magnet. The field lines inside the magnet point:

1. Up
2. Down
3. Left to right
4. Right to left
5. The field inside is zero
6. I don't know



Concept Question: Bar Magnet B Field

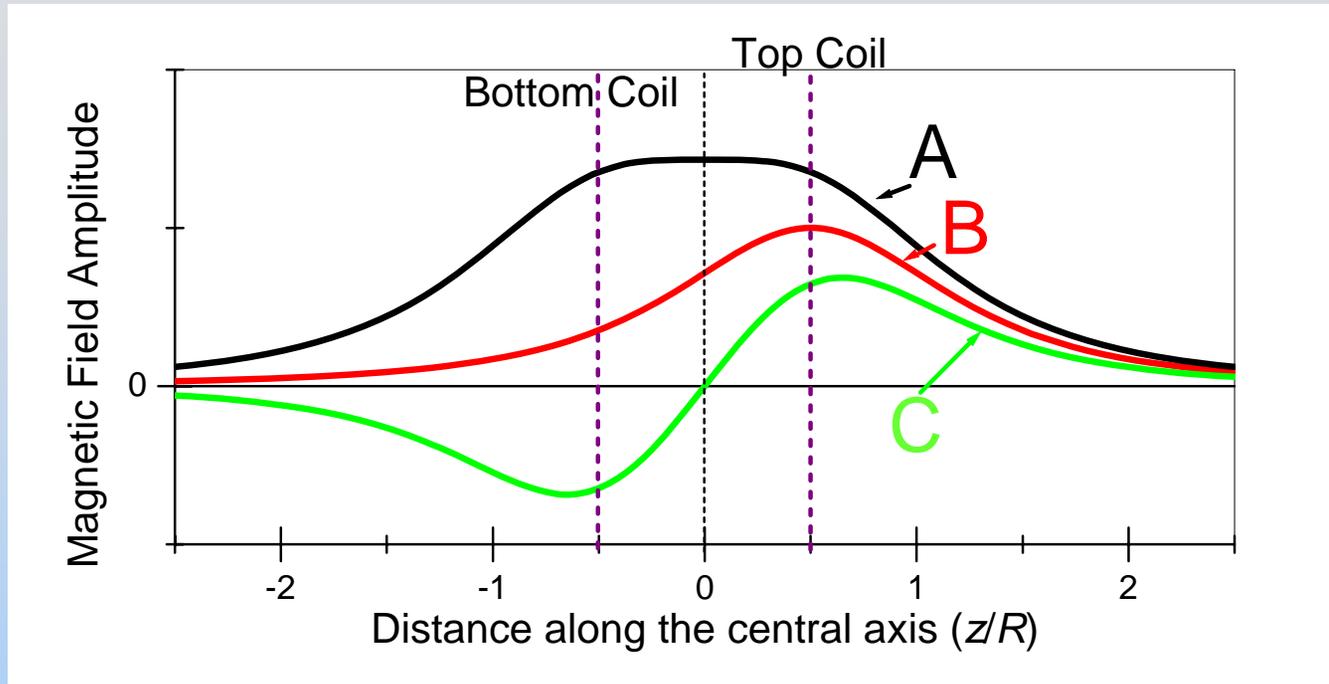
Thinking of your map of the B field lines from part 1, assume that your magnet and compass were on the table in the orientation shown. The red end of the compass points:

1. Up
2. Down
3. Right
4. Left
5. Up & right
6. Up & left
7. Down & right
8. Down & left



Concept Question: Helmholtz

Identify the three field profiles that you measured as Single (Sgl), Helmholtz (Hh) or Anti-Helmholtz (A-H):



The curves, A, B & C are respectively:

1. Sgl, Hh, A-H
2. Hh, A-H, Sgl
3. A-h, Sgl, Hh
4. Sgl, A-H, Hh
5. A-H, Hh, Sgl
6. Hh, Sgl, A-H

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