

3-D Magnetic Field Jar Worksheet

Observations

Sketch the magnetic field of the cow magnet, as well as any other magnets used in the demonstration.

Discussion Questions

1. How might the north pole of an unmarked magnet be determined?
2. Describe the arrangement of the iron filings if the cow magnet were broken in half, and one of the halves was placed in the tube.
3. What can be concluded about the strength of the magnetic field in relation to the distance from the magnet? What evidence supports this conclusion?