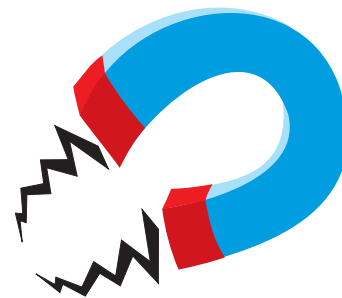


# Make a Print of a Magnetic Field Worksheet

## Observations

Record your observations of the iron filings from step 13 of the *Procedure*.



## Post-Activity Questions

1. Observe the developed print of the magnetic field. How can you tell where the magnet was positioned?
2. What can you conclude about the strength of the magnetic field in relation to the distance from the magnet? What evidence supports your conclusion?
3. The lines of force appear as small dots on the area of the developed paper that was directly over the poles. Consider your observations from step 13 of the *Procedure* and explain why dots appear instead of lines.
4. Which illustration from Figure 1 of the *Background* section—*a*, *b* or *c*—represents the magnetic domains of the iron filings after they are sprinkled on the photosensitive paper? Which one represents the magnetic domains of the filings after they are returned to the container? Explain your answers.