

Name: _____ Date: _____ TOC: _____

Making Magnets Experiment

Filings in a Test Tube

1. Observe the arrangement of the iron filings in the test tube. Use a magnifying glass if you need to. Draw how they look.
2. Rub the tube lengthwise about 50 times in the same direction with one end of a strong wand magnet.
3. Observe the arrangement of the iron filings in the test tube. Use a magnifying glass if you need to. Draw how they look.
4. What can you conclude from your observations?

Modeling Magnetic Domains

1. Cut out 20 strips of “atoms”.
2. Glue down 10 strips to show an unorganized material. These point in random directions. The magnetic field of some domains cancel the magnetic field of other domains resulting in the material not being a _____.
3. Glue down 10 strips to show an organized material. Most of these point in the same directions. The magnetic field of the domains are aligned. The magnetic field of this domains resulting in the material being a _____.