

## 21.8: Thinking about the Material

---

### Reflect and research

1. When was magnetism first discovered?
2. What is the origin of the word “magnetism”?
3. What experiments support that magnetic monopoles do not exist?
4. What did J.J. Thomson measure, and how?
5. How do debit and credit cards use magnetism?

### To try at home

1. Attempt to construct a compass using household materials.

### To try in the lab

1. Propose an experiment to measure the magnitude of Earth’s magnetic field.
2. Propose an experiment to construct a galvanometer and test its accuracy.

---

This page titled [21.8: Thinking about the Material](#) is shared under a [CC BY-SA 4.0](#) license and was authored, remixed, and/or curated by [Ryan D. Martin, Emma Neary, Joshua Rinaldo, and Olivia Woodman](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.