

Name _____

Discovering Magnet Magic: Finding the North and South Poles

Open-Ended Response Questions

1. Investigate and describe a real-world application where the knowledge of magnetic poles and magnetic fields is crucial. How does this application benefit from an understanding of magnets?
2. Imagine you are conducting an experiment to identify the poles of a magnet without using any tools or instruments. Explain the steps of your experiment and how you would determine the magnet's poles.
3. Explore the historical significance of magnetic compasses and their role in navigation. How did the discovery of magnetic poles enhance our understanding of geography and exploration?
4. Reflect on the broader implications of magnetism and magnetic poles in scientific research and technological advancements. How has our understanding of magnets influenced various fields of science and engineering?

