

Name \_\_\_\_\_

## Discovering Magnet Magic: Finding the North and South Poles

### Short Answer

1. Explain how a compass can help identify the north and south poles of a magnet.
2. Describe the behavior of two magnets when the north pole of one magnet is brought close to the south pole of another.
3. How can iron filings be used to visualize the magnetic field around a magnet, and what does the pattern of iron filings reveal?
4. If you place a floating magnet on water and it aligns itself, explain how you can determine which end represents the north pole.
5. Why is it important to understand the concept of magnetic poles and their behavior in everyday life?

