

Name _____

Magnet Magic: Unveiling the Two Main Types of Magnets

Short Answer Key

1. The north pole of a permanent magnet is attracted to the south pole of another magnet, while the south pole is attracted to the north pole of another magnet.
2. Magnetism retention refers to the ability of permanent magnets to maintain their magnetism indefinitely without external influence. It is significant because it allows for the use of permanent magnets in various applications.
3. An example of a common item using a permanent magnet is a refrigerator door seal with a magnetic closure. It keeps the door tightly shut to maintain a cold environment inside.
4. The strength of an electromagnet can be controlled by adjusting the amount of electric current flowing through the wire coil. This control is important in applications where varying levels of magnetic force are required.
5. One advantage of using a permanent magnet over an electromagnet is that permanent magnets do not require a continuous flow of electric current, making them energy-efficient for applications where constant magnetism is needed.

