

Name _____

Magnetic Marvels: The Inner Workings of Magnets

Multiple Choice Questions

1. What is the key to how magnets work?
 - a) Atomic alignment
 - b) Color
 - c) Temperature
 - d) Weight

2. What happens when two magnets with opposite poles are brought close together?
 - a) They attract each other.
 - b) They repel each other.
 - c) They do nothing.
 - d) They stick together permanently.

3. What are the two distinct points on a magnet called?
 - a) Magnetic moments
 - b) Magnetic fields
 - c) Magnetic regions
 - d) Magnetic poles

4. Which materials are known to have tiny magnetic moments within their atoms?
 - a) Aluminum and copper
 - b) Iron, nickel, and cobalt
 - c) Gold and silver
 - d) Wood and plastic

5. What is the primary difference between permanent magnets and electromagnets?
 - a) Permanent magnets are stronger.
 - b) Electromagnets require electricity to function.
 - c) Electromagnets are always attracted to iron.
 - d) Permanent magnets can change their polarity.

