



Scientists' Consensus Ideas The Magnetic Interaction

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Name _____

Date _____

Class _____

(Unit 1 Chapter 2, Activity 2)

Defining Characteristics of the Magnetic Interaction

1. The magnetic interaction occurs when a magnet is near another magnet or a magnetic material.
2. Evidence for the magnet-magnet interaction is a change in motion of the magnets toward each other (magnets attract) and a change in motion of the magnets away from each other when one of the magnets is turned over (magnets repel).

What specific observation(s) did you make that provides this evidence? In which experiment was this observation(s) made?

3. A few metals interact with a magnet: iron, nickel, and cobalt. These materials, and other materials that contain iron, nickel, or cobalt, and interact with magnets, are called “magnetic materials.”

Which experiment supports this idea? What is the evidence?

4. Evidence for the magnet-magnetic material interaction is a change in motion of the magnet and magnetic material towards each other, regardless of which side of the magnet faces the magnetic material.

What specific observation(s) did you make that provides this evidence? In which experiment was this observation(s) made?

Other Ideas Related to Magnetic Interactions

- 5. For magnets made of the same material, the larger the magnet, the stronger the interaction with magnetic materials.

Which activity and experiment supports this idea? What is the evidence?
