

**Name** \_\_\_\_\_

**Investigating the Behavior of Magnets**

I. Experiment One (No Partners)

1. Put two ring magnets flat on your desk where they are not touching each other. With your fingers, push one of them toward the other one. Describe what happened.

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2. Turn one of the ring magnets over. Again, with your fingers, push one of them toward the other one. Describe what happened.

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3. Write your conclusion of what you discovered.

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II. Experiment Two (No Partners)

1. Using a pencil, insert two ring magnets over the end of your pencil. Describe what happened.

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2. Turn the top one over and put it on back on top of the other magnet. Describe what happened.

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3. Write your conclusion of what you discovered.

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III. Experiment Three (Partners)

1. By holding a ring magnet in the air with a piece of string, with a bar magnet in your hand, bring one end of a bar magnet near one of the sides. Describe what happened.

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2. Again, hold the ring magnet in the air with a piece of string. Turn the bar magnet around and bring the other side near the same side of the ring magnet. Describe what happened.

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3. Write your conclusion of what you discovered.

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IV. Experiment Four (Partners)

1. Suspend one of the ring magnets in the air. Spin it a few times to wind it up. Hold on to it so it doesn't unwind. Suspend another ring magnet in the air until it is still. Bring it close enough to the wound up ring magnet where they won't attract each other and go into each other. Let go of the wound up ring magnet. Describe what happened.

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2. Write your conclusion of what you discovered.

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V. Experiment Five (No Partners)

1. Put two ring magnets both flat on your desk where they are touching each other. With the ring magnet on a string, slowly swing the magnet over the two magnets on your desk. Describe what happened.

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2. Write your conclusion of what you discovered.

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