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| Name: | Class: | Date: |

**Motion Observation and Inference Activity**

**Directions:** Watch each demonstration, record your observations and inferences about the motion of the object(s) in the table below.

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| **Lab station / object** | **Observations about the motion of the object** | **Inference about the motion of the object**(What caused it? Stopped it?) |
| Book |  |  |
| Eli Manning |  |  |
| Hockey Puck |  |  |
| Ball on string |  |  |
| Magnets |  |  |
| Balloon |  |  |

1. Leave the book on the lab table.
2. Make observations about the motion of the book and record them on your worksheet.
3. Make inferences about the motion of the book and record them on your worksheet.
4. Hold Eli above the ground.
5. Let go of the stuffed animal.
6. Make observations about the motion of Eli and record them on your worksheet.
7. Make inferences about the motion of Eli and record them on your worksheet.
8. Put the hockey puck on the lab table.
9. Slide the hockey puck gently across the lab table.
10. Make observations about the motion of the hockey puck and record them on your worksheet.
11. Make inferences about the motion of the hockey puck and record them on your worksheet.
12. Hold the end of the string that the ball is not attached to.
13. Swing the string so that the ball swings in a circle above your head.

(DO NOT LET GO OF THE STRING!)

1. Make observations about the motion of the ball and record them on your worksheet.
2. Make inferences about the motion of the ball and record them on your worksheet.
3. Put the 2 magnets flat on the lab table about 3 inches apart.
4. Slowly move one magnet towards the other by sliding it along the table.
5. Make observations about the motion of the magnets and record them on your worksheet.
6. Make inferences about the motion of the magnets and record them on your worksheet.
7. Take the balloon and rub it against your hair or shirt.
8. Hold the end of the string that the balloon is not attached to.
9. Slowly walk towards the balloon.
10. Make observations about the motion of the balloon and record them on your worksheet.
11. Make inferences about the motion of the balloon and record them on your worksheet.