

# **X**periments with **Magnets**

## #3 MAGNETIC FORCE FIELDS

PLAY A GAME OF MAGNETIC "HOCKEY"!

### **NEEDED:**

- three or more ring magnets  
\*If you want to purchase these magnets from Dowling, try our item # SS10.

### **INVESTIGATION:**

Place three ring magnets on a smooth flat surface. Using what you learned about magnetic poles in experiment #2 arrange two magnets so that they both repel the third magnet. You can also make goals on the table and play a game of hockey!

### **EXPLANATION:**

A magnetic field surrounds all magnets and extends in all directions. The two magnets repel the "puck" with their invisible force.