#### Name



# Magnetic Slime Recipe

#### Instructions:

- 1. Combine the liquid starch and iron oxide and stir until smooth.
- **2.** Add glue to the combination.
- **3.** Have fun with your magnetic slime!

#### Cause & Effect

#### Your Conclusions

What have you learned about magnetic force? Write your conclusions in a cause and effect format in the table below.



Cause	Effect
When I put the north pole and south pole together	the magnets stick together.



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Magnets are all around us. We use magnets to keep the fridge shut and power TV's and earphones. We also use magnets on credit cards and even on our phones.

Where else have you seen magnets being used?



How do magnets work?

# Magnetic Forces

#### **Scientists Ask Questions** and Make Observations

- What makes magnets stick together? •
- How do they work? •
- What makes the magnetic force stronger? •

Ask questions like these to help you understand magnetic forces. Look for the cause and effect of magnetic forces as you explore.



# **Polarity**

Magnets have two sides. They are called the north pole and the south pole. If you put the north and south poles together, they attract one another. This means they are pulled together by magnetic force. When you put the north end close to the north end of another magnet, you will feel the magnets push apart. This is called repulsion.

# **Exploring with Magnets**

As you explore with magnets, ask questions and make observations to help you understand magnetic forces.

### **Magnetic Maze**

- 1. Draw a maze on a piece of construction paper.
- 2. Place the paperclip on the maze.
- **3.** Place the magnet below the construction paper.
- **4.** Pull the paperclip through the maze while moving the magnet.
- 5. Record your questions and observations.



#### **Paperclip Rescue**

- it wet?

Questions	Observations		C



**1.** Fill a short cup with a small amount of water and drop the paperclip in.

2. Can you use a magnet to rescue the paperclip without getting

**3.** Record your questions and observations.



**Observations** Juestions