

Student Name: _____

Class: _____

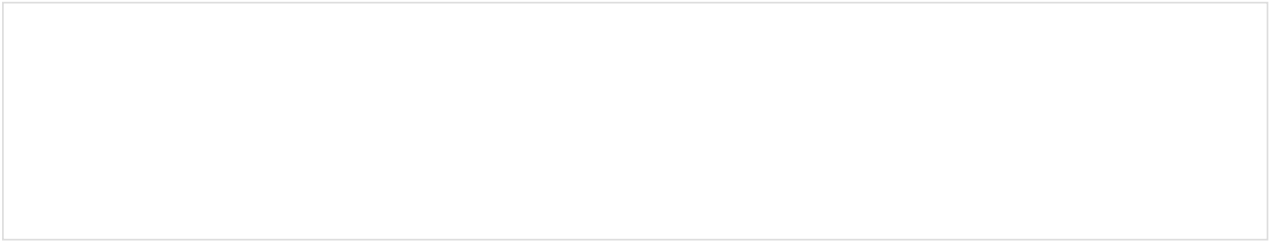
Due Date: _____

Welcome to the World of Magnets!

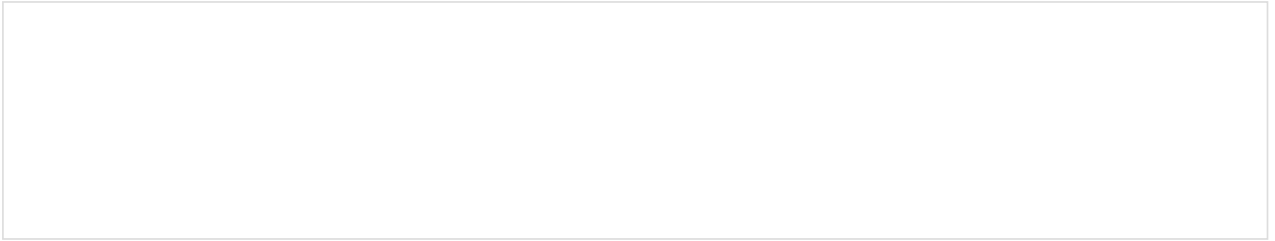
Magnets are fascinating objects that can attract and repel each other. In this homework assignment, you will explore the magic of magnets and learn about their properties and behaviors.

Activity 1: What is a Magnet?

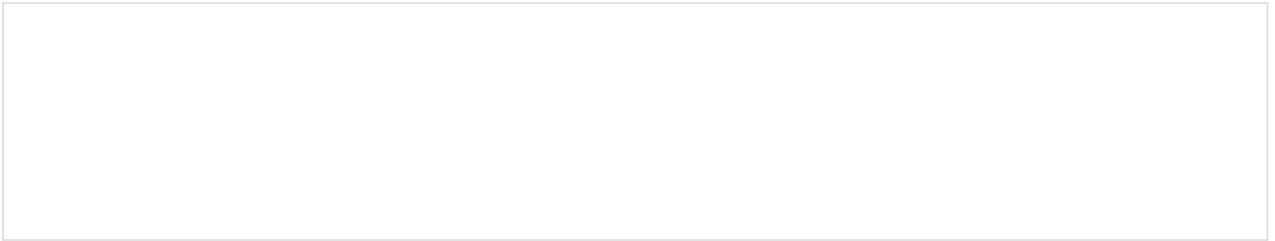
1. What is a magnet?



2. What are some things that magnets can attract?

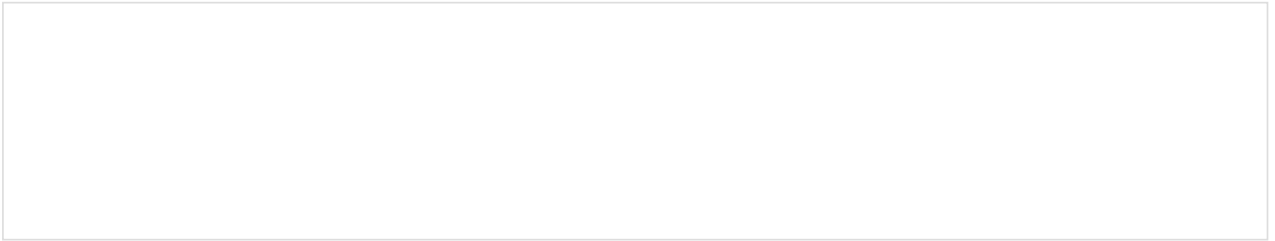


3. Draw a picture of a magnet and label its poles (north and south).

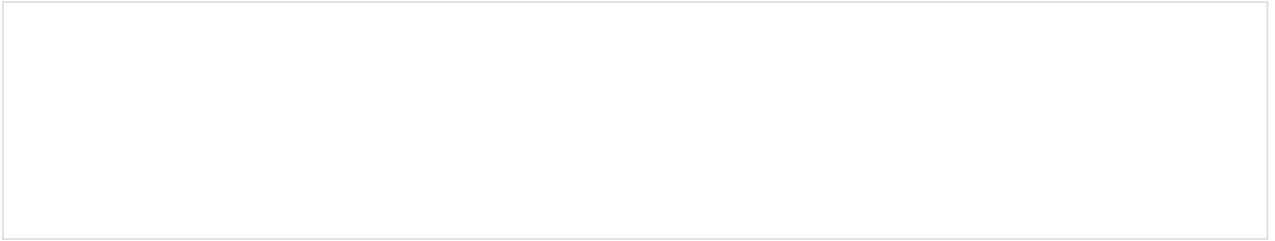


Activity 2: Attraction and Repulsion

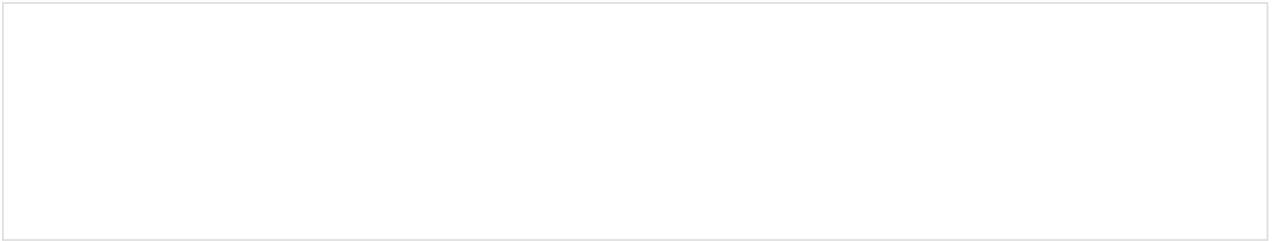
1. What happens when two magnets with the same poles (north-north or south-south) face each other?



2. What happens when two magnets with different poles (north-south or south-north) face each other?



3. Draw a picture of two magnets interacting and label the poles.



Activity 3: Magnet Scavenger Hunt

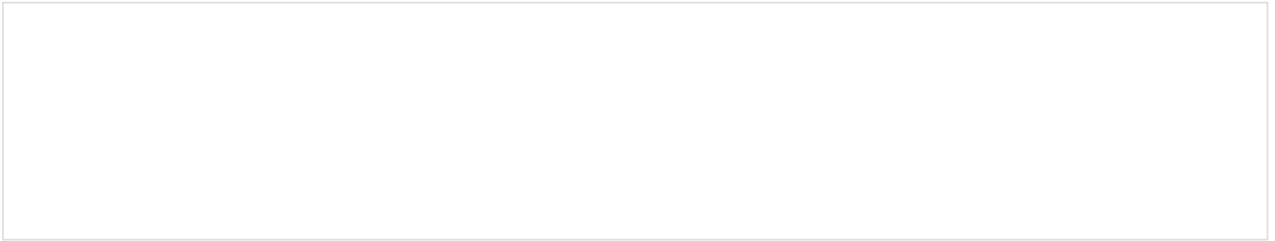
1. Go around the house and find objects that are attracted to a magnet. List them below:

2. Find objects that are not attracted to a magnet. List them below:

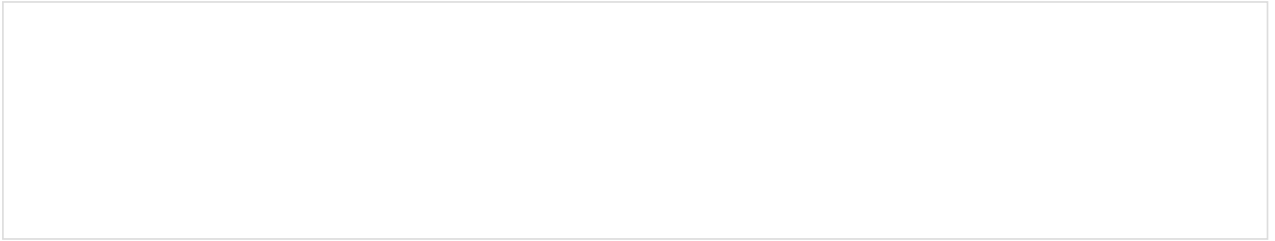
3. Why do you think some objects are attracted to magnets while others are not?

Activity 4: Making a Magnet Maze

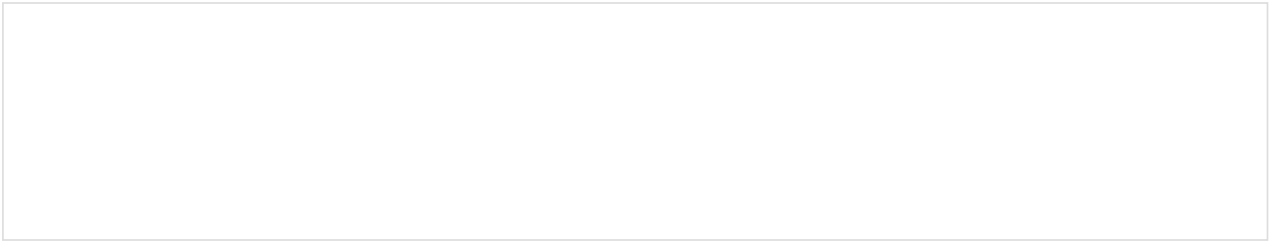
1. Create a maze on a piece of cardboard using a pencil or pen.



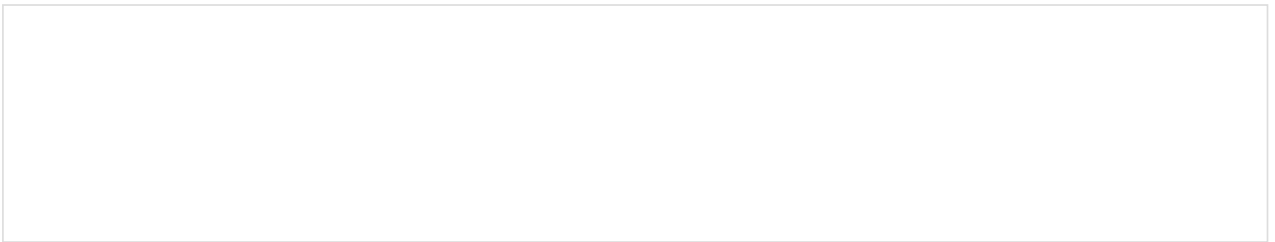
2. Place a small metal ball or paper clip on top of the cardboard.



3. Use a magnet underneath the cardboard to guide the metal ball or paper clip through the maze.



4. Draw your maze and write about the challenges you faced and how you overcame them.



Questions to Think About

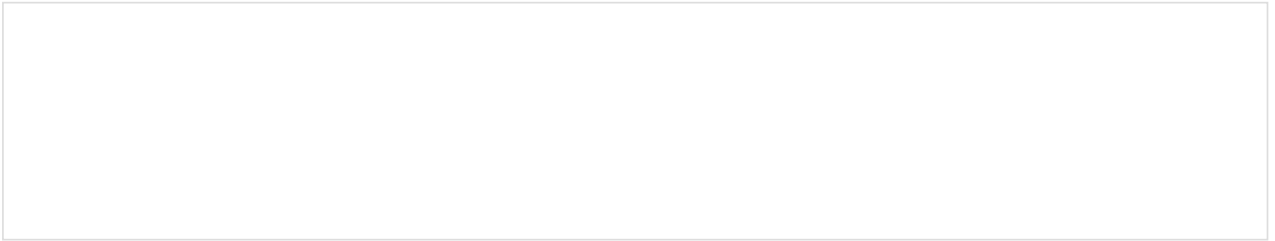
1. What is magnetism?

2. How do magnets attract and repel each other?

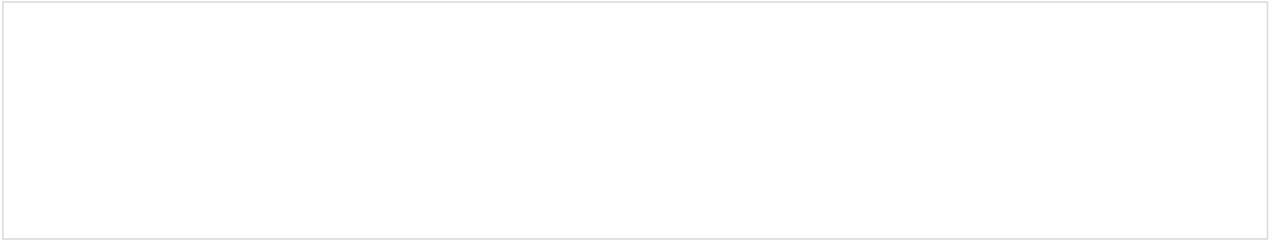
3. What are some real-life uses of magnets?

Reflection

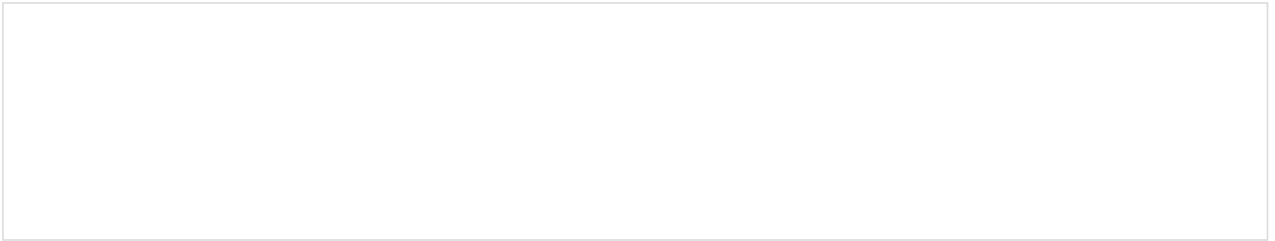
1. What did you learn about magnets from this assignment?



2. What questions do you still have about magnets?



3. Draw a picture of your favorite magnet-related experiment or activity.



Parent/Guardian Notes

Encourage your child to ask questions and explore their curiosity about magnets.

Ensure your child handles magnets safely and avoids swallowing them or bringing them near electronic devices.

Participate in the activities with your child and discuss their findings and questions.

Help your child manage their time to complete the assignment within 15-20 minutes.

Glossary

Magnet: an object that produces a magnetic field

Attract: to pull towards each other

Repel: to push away from each other

Pole: the north or south end of a magnet

Success Criteria

The student demonstrates an understanding of the basic concept of magnetism.

The student can explain how magnets attract and repel each other.

The student completes all activities and records their observations.

The student reflects on their learning and poses questions about magnetism.