

## “Scientists Are Thinkers”

**Question/Problem: What do we want to find out?**

Do larger magnets attract more or less paper clips than a smaller magnet?

**Hypothesis: What do we think we will find out? Make a prediction.**

The larger magnet will attract more paper clips than the smaller magnet

**Materials: List what you will need to test the hypothesis**

1. 1 large magnet
2. 1 small magnet
3. 1 box of paper clips

**Procedures/Steps: State step by step what you are going to do.....specifically**

1. Place one large magnet 2 inches above a flat surface
2. Place paper clips under the magnet until it stops attracting the paper clips
3. Repeat the procedure for the small magnet
4. Repeat with both magnets 2 more times

**Observe and Record Data: List, picture, chart, graph**

Magnet Size	# Clips Trial 1	# Clips Trial 2	# Clips Trial 3
Large Magnet			
Small Magnet			

**Analysis/Results: What does the data tell us?**

The data shows that the larger magnet holds more paper clips than the smaller magnet

**Conclusion: What did I learn? What does it make me want to learn next?**

This experiment showed that the larger a magnet is, the stronger its power of attraction.

I would like to know if the size of the paper clip will change the attractive power of the magnet as well.