



SPECTACULAR SCIENCE Membership

Identify Magnetic Materials!

Investigation Sheet

Step 1: Prepare Your Investigation

Make sure you have the following materials in front of you. Check them off as you go:

- Pencil/pen to write with
- This investigation worksheet that is printed out
- A small refrigerator magnet
- The materials that are going to be tested: a coin, wood table, glass window, plastic, iron nail, refrigerator surface, and scissors
- An adult to help you!

Now that you have everything, let's move into the investigation!



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Step 2: Pre-Investigation Table

Fill out the table below **BEFORE** you start your investigation with your magnet. Circle Yes or No if you think that the material listed will or will not be attracted by the magnet.

Material	Do You Think It Is Magnetic? Circle Yes or No	
Coin	Yes	No
Wood Table	Yes	No
Glass Window	Yes	No
Plastic	Yes	No
Iron Nail	Yes	No
Refrigerator Surface	Yes	No
Scissors	Yes	No



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Step 3: Start Your Investigation!

Now, start your investigation and test your materials! Hold the magnet close to the material and see if the material sticks to the magnet. Then, fill out the table below with your observations.

Material	Did It Stick To The Magnet? Circle Yes or No	
Coin	Yes	No
Wood Table	Yes	No
Glass Window	Yes	No
Plastic	Yes	No
Iron Nail	Yes	No
Refrigerator Surface	Yes	No
Scissors	Yes	No



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Step 4: Your Conclusion

Now that you have finished your investigation, look at the pre-investigation table and the table that you filled out during the investigation. Do they match? Did you get them all correct? Check them off if you got them correct.

What do you think magnetic materials have in common? Write your answer below.

What do you think non-magnetic materials have in common? Write your answer below.



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Here are the correct answers to the table. Check off the answers you got right:

Answer Key

Material	Did It Stick To The Magnet? Circle Yes or No	
Coin	Yes	No
Wood Table	Yes	No
Glass Window	Yes	No
Plastic	Yes	No
Iron Nail	Yes	No
Refrigerator Surface	Yes	No
Scissors	Yes	No

Nice job!
You now know how to identify materials that are magnetic!