



The Experemint Worksheet



The First Experiment

Before doing the first experiment, answer the following questions:

- What do you think will happen if you place two **south** pole of a magnet together?

- What do you think will happen if you place two **north** pole of a magnet together?

- What do you think will happen if you place **south** pole and **north** pole of a magnet together?



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The steps of the experiment

- 1- Drag the first magnet onto the scribbled line.
- 2- Drag the second magnet onto the scribbled line.
- 3- Press play, and observe what happened.
- 4- Press retry.
- 5- Remove the second magnet, and drag the first magnet again.
- 6- Press play, and observe what happened.

After doing the first experiment, answer the following questions:

Observed

- What happened the first time?

- What happened the second time?



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Predict

- Based on your experiment, which pairs of magnets will be pulled to each other? which will be pushed apart? Record your answer below.

Left magnet	Right magnet	Result

Conclusion

Fill in each blank below with the correct word:

- The **south** pole of a magnet is pulled to the _____ pole of another magnet.
- The **south** pole of a magnet is pushed apart by the _____ pole of another magnet.
- The **north** pole of a magnet and the **north** pole of another magnet will _____ each other.



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The second Experiment

Before doing the second experiment, answer the following questions:

- What do you think will happen if you place the nickel and the iron next to the magnet?

- What do you think will happen if you place the wood and the glass next to the magnet?

The steps of the experiment

- 1- Drag the magnet onto the scribbled line.
- 2- Drag the nickel next to the magnet.
- 3- Press play, and observe what happened.
- 4- Press retry.
- 5- Remove the nickel, and drag the iron next to the magnet.
- 6- Press play, and observe what happened.
- 7- Press retry.
- 8- Remove the iron, and drag the wood next to the magnet.
- 9- Press play, and observe what happened.
- 10- Press retry.
- 11- Remove the wood, and drag the glass next to the magnet.



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After doing the second experiment, answer the following questions:

Observed

- What happened when you drag the nickel and iron next to the magnet?

- What happened when you drag the glass and wood next to the magnet?

Conclusion

Fill in each blank below with the correct word:

- There are some materials that _____ to the magnets and other materials that _____ to the magnets.

- Nickel and iron are _____ to the magnets.

- Glass and wood are _____ to the magnets.