What Magnets Attract: Worksheet

Magnets · Worksheet for https://jugami.com/magnets/what-magnets-attract/ · For instant feedback, try the self-guided quiz online.

Directions: Read each question. Write, circle, or draw your answer in the space. You may look back at the lesson. A grown-up can read the questions aloud. You do not need a real magnet for this worksheet.

Name: _____ Date: _____

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1. Fill in the blanks with two words from the word bank.

Word bank: **iron · wood · steel · glass**

Magnets attract things made of _____ and many kinds of _____.

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2. Circle every object that an ordinary magnet would attract. Each object is made only of the material named.

an iron frying pan · a cardboard box · a strip of plain steel staples · a cotton sock · a glass jar

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3. Write **T** for true or **F** for false.

a. ___ Every metal sticks to a magnet.

b. ___ A magnet can pull on an object without touching it.

c. ___ Rubber is attracted by an ordinary magnet.

d. ___ Nickel is one of the metals a magnet can attract.

4. Sort these objects into the table. Each object is made only of the material named.

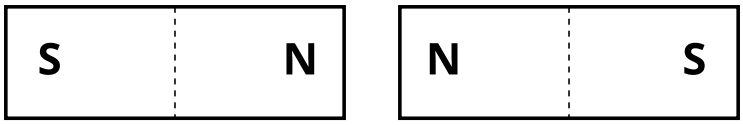
a plain steel nut and bolt · a wool mitten · a copper pipe · an iron key ring · a paper cup · an aluminum pie pan

Attracted by a magnet	Not attracted by a magnet

5. Leo says, "My aluminum pie pan is metal, so the magnet will pull it." Is Leo right? Explain in one sentence.

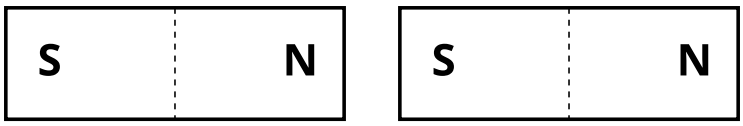
_____

6.



Will these two magnets push apart or pull together? Circle one: **push apart · pull together**

7.



Will they push apart or pull together? Circle one: **push apart · pull together**

8. Fill in the rule.

Opposite poles _____. The same poles _____.

9. Two shiny cans look almost the same. A magnet pulls one can but not the other. What is the best next step? Circle one letter.

A. Decide the magnet likes only one of the colors.

B. Find out what material each can is made of.

C. Decide that shiny things never stick to magnets.

10. Sam wants to compare a wool mitten and a steel nut fairly. Write **two** things Sam should keep the same in both tests.

1. _____
2. _____

11. A bar magnet snaps into two pieces. Draw the two pieces. Label an **N** and an **S** on each piece.

Draw and label here

12. A compass needle is a small magnet that can turn. Why should you keep a steel bolt or another magnet away from a compass when you are using it to find north?

_____

13. **Challenge.** You have one bar magnet with its ends labeled N and S, and one mystery bar magnet with no labels. How can you find out which end of the mystery magnet is north? Write your plan in 2–3 steps.

1. _____
2. _____
3. _____

14. **Safety.** Write one safety rule for using small magnets when a baby or toddler is nearby.

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