



# Magnetism

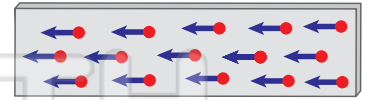
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 A **permanent magnet** is one that is difficult to magnetize, and \_\_\_\_\_. Circle the answer letter.

- a. holds its magnetism for a long time
- b. holds its magnetism forever
- c. can never break



6 The diagram shows the **particles** inside a piece of **magnetized iron**. What **evidence** is there that the iron is **magnetized**? Write your answer below.

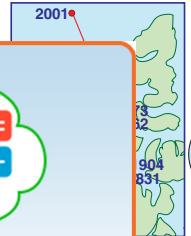


2 In the diagram below, predict at which points the **magnetic force** would be the **greatest**.

- a. 5 and 6



7 The **magnetic North Pole** has moved towards the **geographic North Pole** over the past hundred years. The **speed** of Earth's magnetic pole **movement** has \_\_\_\_\_ over time.



3 If you place a magnet near a piece of metal, the metal will be attracted to the magnet. This is because the magnet exerts a force on the metal.



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

4 To make a paper clip magnetic, you can \_\_\_\_\_ direction across the paper clip \_\_\_\_\_ magnet exists \_\_\_\_\_.  
a. rub one pole of a magnet back and forth across the paper clip  
b. hit the paper clip with a piece of iron  
c. \_\_\_\_\_



magnet exists \_\_\_\_\_.

- a. only at the poles
- b. all around the magnet
- c. only on the sides of the magnet

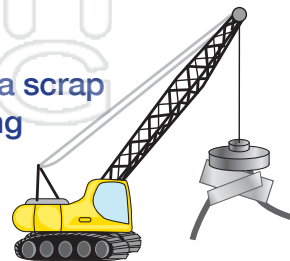


5 Circle the material that would make the **strongest magnet**.

- aluminum      tin
- copper        iron



10 Fill in the blank. This crane is working in a scrap yard. The **device** hanging from the **crane** is a(n) \_\_\_\_\_.





# Magnetism - Answer Key

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

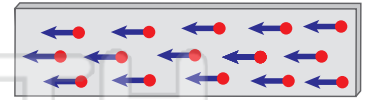
1 A **permanent magnet** is one that is difficult to magnetize, and \_\_\_\_\_.  
Circle the answer letter.

- a. holds its magnetism for a long time
- b. holds its magnetism forever
- c. can never break



6 The diagram shows the **particles** inside a piece of **magnetized iron**. What **evidence** is there that the iron is **magnetized**?  
Write your answer below.

all the particles point in the same direction

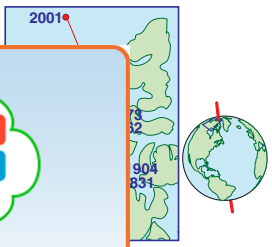


2 In the diagram below, predict at which points the **magnetic force** would be the **greatest**.

- a. 5 and 6



7 The **magnetic North Pole** has moved towards the **geographic North Pole** over the past hundred years. The **speed** of Earth's magnetic pole **movement** has \_\_\_\_\_ over time.



3 If you place a magnet near a metal object, the magnet will attract the object. This is because the magnet exerts a force on the object.



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

4 To magnetize a paper clip, you can \_\_\_\_\_.  
a. rub the paper clip in one direction across the paper clip  
b. rub one pole of a magnet back and forth across the paper clip  
c. hit the paper clip with a piece of iron



magnet exists \_\_\_\_\_.

- a. only at the poles
- b. all around the magnet
- c. only on the sides of the magnet



5 Circle the material that would make the **strongest magnet**.

- aluminum      tin
- copper        **iron**



10 Fill in the blank.  
This crane is working in a scrap yard. The **device** hanging from the **crane** is a(n) \_\_\_\_\_  
electromagnet

