Magnetism

Phys Sci

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

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

a. 5 and 6

3 If p

4 T w

direction across the paper clip

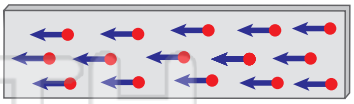
b. rub one pole of a magnet back and forth across the paper clip
c. hit the paper clip with a piece of iron

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

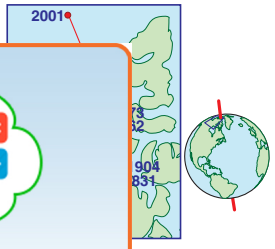
aluminum tin

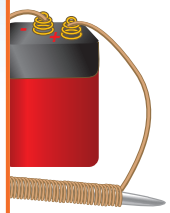
copper iron

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.



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.





agnet

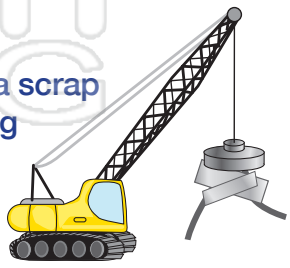
izes the

r

magnet exists _____.

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

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



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Magnetism - Answer Key

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direction across the paper clip
b. rub one pole of a magnet back and forth across the paper clip
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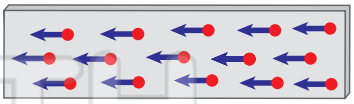
5 Circle the material that would make the strongest magnet.

aluminum tin

copper iron

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



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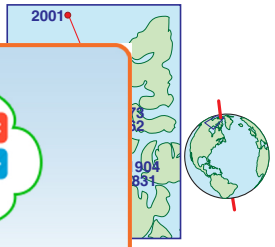

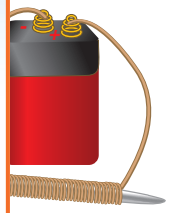

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electromagnet