

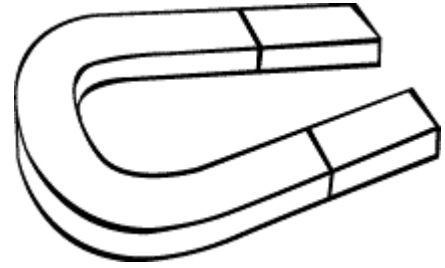
**McGraw-Hill Science © 2000, Texas Edition
TAKS Practice Test**

**Grade 2, Chapter 8
Forces and Magnets**

Name _____

Date _____

- 1 What does a magnet attract?
- Things made of paper or wood
 - Things made of iron
 - Things made of glass
 - All kinds of paper clips

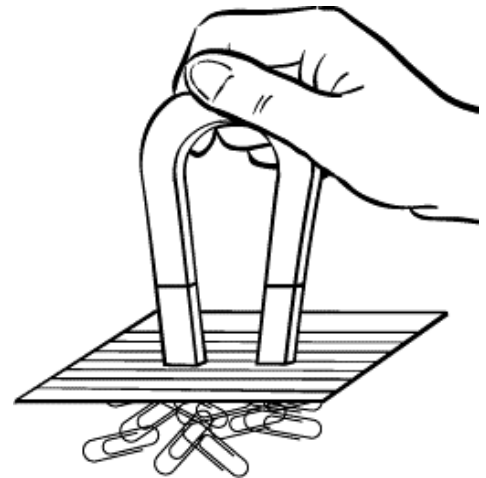


- 2 What word means the opposite of *attract*?
- Repel
 - Obey
 - Pull
 - Field

Use the picture and words to answer Questions 3 and 4.

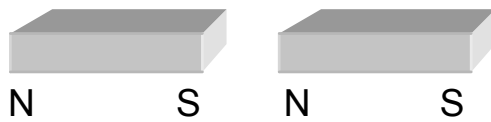
A student holds a magnet over an index card and paper clips.

- 3 What does the student show about magnets?
- Magnets pull through air only.
 - Magnets attract any kind of paper clip.
 - Magnets can pull through an index card.
 - An index card attracts paper clips.



- 4 What would happen to the index card if the student took away the paper clips?
- The index card would stay next to the magnet.
 - The index card would fall to the floor.
 - The index card would stick to the paper clips.
 - The index card would push up on the magnet.

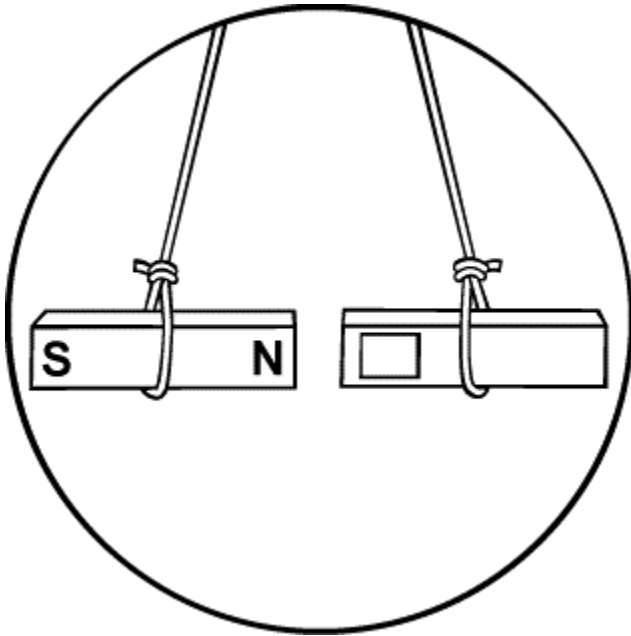
Use the pictures to answer Questions 5 and 6.



Two bar magnets

- 5 What do the letters “N” and “S” stand for?
- Near and Soon
 - Noon and Six
 - North and South
 - Left and Right
- 6 Do the two magnets attract each other?
Why or why not?
- Yes. An S pole faces an N pole.
 - Yes. The magnets are bar shaped.
 - Yes. All magnets attract one another.
 - No. All magnets push one another away.

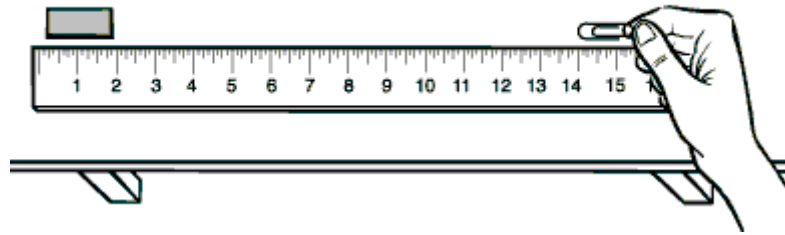
Use the picture and words to answer Questions 7 and 8.



Two bar magnets are pushing away from each other.

- 7 What letter should be placed in the box on the magnet on the right?
- N
 - S
 - E
 - W
- 8 The picture shows two magnets that _____ each other.
- attract
 - repel
 - replace
 - distract

Use the chart, words, and picture to answer Questions 10 to 12.



Paper Clip Position	Observation
16 in.	Does not move
14 in.	Does not move
12 in.	Does not move
10 in.	Moves a little
8 in.	Moves to magnet
6 in.	Moves to magnet
4 in.	Moves to magnet
2 in.	Moves to magnet

A student places a magnet at one end of a ruler. He places a paper clip at the other end of the ruler. He observes what happens.

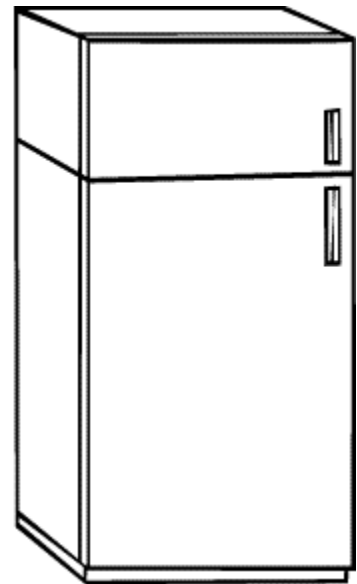
Next, he places the paper clip at other distances along the ruler.

The observations are shown in the table.

- 9 What did the student observe?
- A magnet attracting another magnet
 - A magnet repelling another magnet
 - A magnet attracting a plastic ruler
 - A magnetic field
- 10 What would happen if the paper clip was placed at 9 inches along the ruler?
- It would move only a little.
 - It would move to the magnet.
 - It might move to the magnet, or it might move only a little.
 - It would not move.

- 11** Which of these metric measurements is closest to 1 inch?
- 1 meter
 - 2 centimeters
 - 1 kilometer
 - 1 liter

- 12** The outside of this refrigerator is made of plastic. What could you NOT do with the refrigerator?
- Keep milk cool.
 - Keep ice cream frozen.
 - Stick on messages with tape.
 - Stick on messages with a magnet.



ANSWER KEY and CORRELATIONS:

Question	Answer	TAKS	McGraw-Hill Science Grade 2 textbook
1	Things made of iron	5.7A	p. 178
2	Repel	5.7A	p. 180
3	Magnets can pull through an index card.	5.7A	p. 183
4	The index card would fall to the floor.	3.6A	p. 183
5	North and South	5.7A	p. 179
6	Yes. An S pole faces an N pole.	5.7A	p. 179
7	N	5.7A, 5.2B	p. 180
8	repel	5.7A	p. 180
9	A magnetic field	5.2B	p. 186
10	It might move to the magnet, or it might move only a little.	5.2C, 5.2E	p. 183
11	2 centimeters	5.4A	p. R10
12	Stick on messages with a magnet.	3.3B	p. 181