

Using information found in the book, verify whether the following statements are true or false. Check your answers in the book. List the page number where you found the information beside your answer.

Statement 1  A magnetic field is caused by moving electric charges.  True  False Page Number

Statement 2  Iron and nickel are two examples of non-magnetic metals.  True  False Page Number

Statement 3  The magnetic field points in different directions at different locations.  True  False Page Number

Statement 4  The north pole of one magnet is attracted to the south pole of another magnet.  True  False Page Number

Statement 5  Magnetic trains can travel at very high speeds.  True  False Page Number





# Test Your Knowledge of Magnetism

Follow the instructions below to complete the activity.

NAME

DATE

Test your knowledge of magnetism by answering these brain teasers.

1. What is magnetism?

2. What is a magnet?

3. Why does a refrigerator door stay closed?

4. What are atoms?

5. What causes a magnetic field?

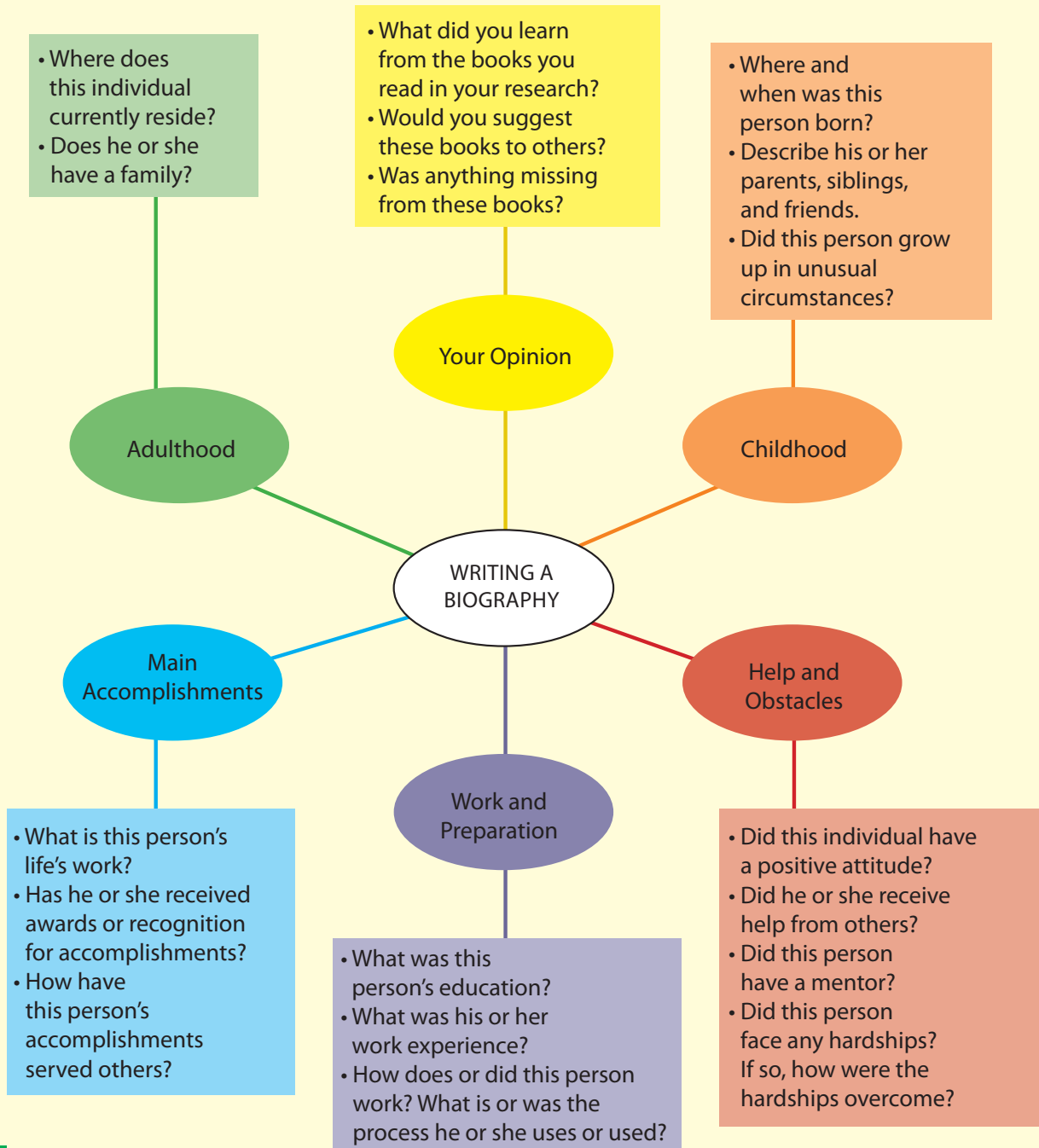


Using the information found in the book, fill in the missing information below.

1. A  can pick up pieces of magnetized metal, such as paper clips.
2. Doctors use  fields to see inside our bodies.
3. Atoms contain electric charges called .
4. The north pole of one magnet  the north pole of another magnet.
5. A magnetic field may push or .
6. The magnetic field of one magnet can cause a  on a nearby magnet.



Many scientists have contributed to the study of magnetism. Research online, and choose a scientist that you are interested in learning more about. Then, try researching and writing a biography about that person using this concept web as a guide.





# Write a Letter

Follow the instructions to complete the activity.

NAME

DATE

After completing the activity on pages 26–27, write a letter to a friend describing it. The letter should expand on your most important discoveries from the activity. What was the result? Was the activity difficult to do? What did you learn from it?



Everyday STEM  
Magnetism  
Reference: Pages 26–27



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# Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1

Are all metals magnetic?

2

What do magnets do when they repel?

3

Can you see a magnetic field?

4

What are lodestones?

5

Is nickel a magnetic metal?

6

What does the movement of electrons create?

7

Do like poles attract or repel?

8

Can powerful magnets lift heavy cars?

9

Does a magnetic train touch the tracks?

10

What magnetic device helps hikers find their way?



# Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

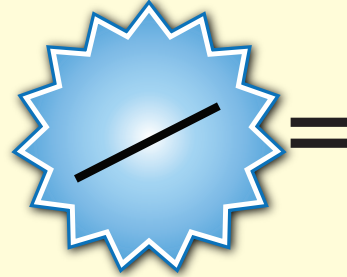
NAME

DATE

## KEY WORDS

atoms	poles
attracted	repel
compass	sanitation
electrons	

Your Score is



%

- pulled toward
- charged particles that can be in atoms or on their own
- to push away from
- having to do with removing trash

- tiny units of matter that most of the objects around us are made of
- a tool that uses a needle to show direction
- the points where the magnetic field lines enter and leave a magnet



NAME

DATE

**1**

No

**2**

Push apart

**3**

No

**4**

Stones that contain iron

**5**

Yes

**6**

A magnetic field

**7**

Repel

**8**

Yes

**9**

No

**10**

A compass

