Name: _____ Date: _____

What a Magnet Will Not Pick Up

Circle group

A magnet pulls on some things. It does not pull on others. Test a magnet at home.

A magnet sticks to a paper clip. A paper clip is made of steel. It sticks to a nail too. A magnet pulls on iron and steel.

Try a wooden spoon. Nothing happens. A plastic cup does nothing. Paper does nothing. A glass marble does nothing. Foil is shiny metal, but a magnet does not pull it.

A magnet does not pick up every metal. It picks up things with iron or steel.

Questions

1. Why does a magnet stick to a paper clip?

_____

_____

2. What two materials does a magnet pull on?

_____

_____

3. Which two things does a magnet not pull?

_____

_____

4. Does a magnet pull foil?

_____

_____

5. Does a magnet stick to every metal?

_____

_____

Words to know

magnet: a piece of metal that pulls on iron and steel
steel: a strong metal made mostly of iron
test: to try something to find out what happens
foil: a very thin sheet of shiny metal

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

What a Magnet Will Not Pick Up

Triangle group

A magnet pulls on some things. It does not pull on others. You can test a magnet on things around your home to find out.

A magnet sticks to a paper clip, because a paper clip is made of steel. It sticks to a nail and a steel screw too. A magnet pulls on iron and on steel.

Now try a wooden spoon. Nothing happens. A plastic cup, a sheet of paper, and a glass marble do nothing as well. A piece of kitchen foil is not pulled either, even though it is shiny metal.

So a magnet does not pick up every metal. It picks up things with iron or steel in them. Many other things feel no pull at all.

Questions

1. Why does a magnet stick to a paper clip?

_____

_____

2. Which two kinds of material does a magnet pull on?

_____

_____

3. Which two things does a magnet not pull on?

_____

_____

4. Is kitchen foil pulled by a magnet?

_____

_____

5. Will a magnet stick to every metal thing? How do you know?

_____

_____

Words to know

magnet: a piece of metal that pulls on iron and steel
steel: a strong metal made mostly of iron
test: to try something to find out what happens
foil: a very thin sheet of shiny metal

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

What a Magnet Will Not Pick Up

Square group

A magnet pulls on certain objects, but it ignores many others. You can test a magnet on things around your home to discover which are which.

A magnet clings to a paper clip, because a paper clip is made of steel. It also sticks to a nail and to a steel screw. In fact, a magnet pulls on anything made of iron or steel.

Now try a wooden spoon. Nothing happens. A plastic cup, a sheet of paper, and a glass marble do nothing as well. Even a piece of kitchen foil is not pulled, although it is shiny metal.

So a magnet does not pick up every metal. It picks up things that contain iron or steel, and many other materials feel no pull at all.

Questions

1. Why does a magnet cling to a paper clip?

_____

_____

2. Which two materials does a magnet pull on?

_____

_____

3. Which two things does a magnet not pull on?

_____

_____

4. Does a magnet pull on kitchen foil?

_____

_____

5. Does a magnet stick to every metal? How can you tell?

_____

_____

Words to know

magnet: a piece of metal that pulls on iron and steel
steel: a strong metal made mostly of iron
test: to try something to find out what happens
foil: a very thin sheet of shiny metal

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: What a Magnet Will Not Pick Up

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: What a Magnet Will Not Pick Up

Easier · 90 words · Flesch-Kincaid grade 1.8

1. A paper clip is made of steel.
2. Iron and steel.
3. A wooden spoon and a plastic cup.
4. No. Foil is shiny metal, but it is not pulled.
5. No. Foil is metal, but it is not pulled.

Triangle: What a Magnet Will Not Pick Up

This passage · 122 words · Flesch-Kincaid grade 2.7

1. A paper clip is made of steel.
2. Iron and steel.
3. A wooden spoon and a plastic cup.
4. No, even though it is shiny metal.
5. No. The foil is metal but a magnet does not pull it.

Square: What a Magnet Will Not Pick Up

Harder · 127 words · Flesch-Kincaid grade 4.6

1. A paper clip is made of steel.
2. Iron and steel.
3. A wooden spoon and a plastic cup.
4. No, although the foil is shiny metal.
5. No. Foil is metal, yet a magnet does not pull it.