



Name: _____ Sec: _____ Date: _____

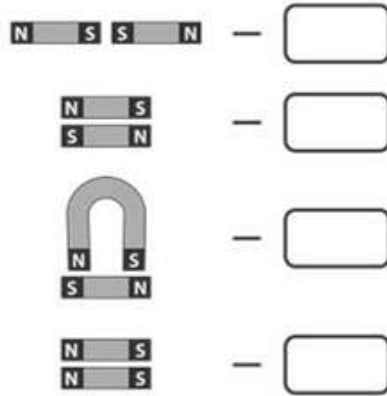
Q1. Choose the correct answer.

1. Which of these objects would be attracted to a magnet?
 - A. A leather purse
 - B. A steel key
 - C. A wooden ruler
2. Magnet A can hold three steel paperclips; Magnet B can hold five. Which is the strongest?
 - A. Magnet A
 - B. Magnet B
 - C. They are both equally strong
3. Two magnets are placed next to each other and push (repel) each other apart. What is one possible explanation for this?
 - A. The north pole of both the magnets are facing one another
 - B. One magnet is made of gold
 - C. The north pole of one magnet is facing the south pole of the other magnet.
4. The pushing or pulling force of a magnet is
 - A. Strongest in the middle of the magnet
 - B. Strongest at the ends of the magnet
 - C. The same all the way through the magnet
5. Which two metals will be attracted by a magnet?
 - A. Iron and steel
 - B. Gold and silver
 - C. Aluminium and lead
6. When two magnets repel each other, they
 - A. Push away from each other

- B. Pull towards each other
 - C. Neither push nor pull
7. When two magnets attract each other, they
- A. Push away from each other
 - B. Pull towards each other
 - C. Neither push nor pull
8. Magnetism is a type of
- A. Electricity
 - B. Gravity
 - C. Force
9. When you squash a spring down with your hand, you feel
- A. An upward push on your hand
 - B. A downward push on your hand
 - C. Neither push nor pull
10. The more you squash or compress a spring down with your hand
- A. The bigger the downward force on your hand
 - B. The smaller the upward force on your hand
 - C. The bigger the upward force on your hand
11. Which magnet is the strongest
- A. Bar
 - B. Disk
 - C. Horse shoe
12. Sometimes a magnet cannot attract a can because
- A. It is heavy.
 - B. It is made up of aluminum.
 - C. It is opened.
13. A magnet cannot attract
- A. Iron
 - B. Steel
 - C. silver
14. The spring in trampoline makes it
- A. Bouncy

- B. Flexible
- C. bendy

Q2. Write whether each set of magnets will attract or repel.



Q3. Put the objects below into the correct box.



Magnetic Materials	Non Magnetic Materials

Q4. The pictures show a number of forces in action. Decide whether the force is a push or pull. Write your answer beside each picture.



Q5a. What happens when we lie on a mattress?

b. Look at these 3 springs below. Why is spring 2 the longest? Give the reason below.



c. describe what happens to the spring in a Jack in the Box when the lid is closed.

Q6. Correct the following statements.

1. A spiral coil of wire or metal is a magnet

2. You put a force on the spring and attract it.

3. Wood will be attracted to a magnet such as iron or steel.

Q7. Solve the riddles with the help of clues.

a. Magnets that work with electricity. _____

b. It helps to hold the clothing on the washing line. _____

c. The further you stretch it, the harder it goes. _____

d. It helps to hold the fridge door tight. _____

e. Bungee jump rope has it. _____

Q8a. Which magnet is preferable to use in scrap yard of cars. Give reasons to support your answer.

b. How does a spring help in a spray bottle?
