



Name _____ Class _____ Date _____

1 A **paper clip** can be made into a **temporary magnet**. What is the reason for this?

A it is difficult to magnetize, but holds its magnetism
B it is easy to magnetize, but easily loses its magnetism
C it is easy to magnetize, and it holds its magnetism
D it is difficult to magnetize, and it easily loses its magnetism



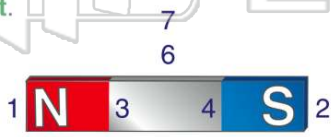
2 A **permanent magnet** is one that is **difficult** to magnetize, and _____.

A holds its magnetism for a long time
B holds its magnetism for a short time
C holds its magnetism forever
D can never break



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

A 5 and 6
B 1 and 4
C 1 and 2



4 In the diagram below, at which points would the **magnetic field** be the **weakest**?

A 1 and 2
B 3 and 4
C 4 and 5



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attract one another

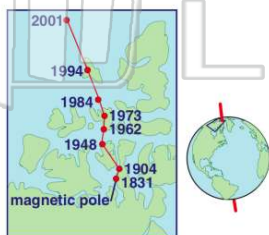
B 2 and 3 would attract one another
C 1 and 2 would repel one another
D 1 and 4 would repel one another

- A** 1831 – 1904
B 1904 – 1948
C 1962 – 1973
D 1994 – 2001



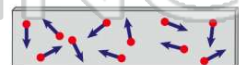
9 The **magnetic** North Pole changes location, but the **geographic** North Pole does **not**. True or false?

A true
B false



10 The diagram below shows the **movement of particles** inside a substance. The particles look like _____.

A they have been magnetized
B they have not been magnetized
C they are moving in one direction
D they have been crushed





ANSWER KEY

A **paper clip** can be made into a **temporary magnet**. What is the reason for this?

- A** it is difficult to magnetize, but holds its magnetism
- B** it is easy to magnetize, but easily loses its magnetism
- C** it is easy to magnetize, and it holds its magnetism
- D** it is difficult to magnetize, and it easily loses its magnetism



(b)

A **permanent magnet** is one that is **difficult** to magnetize, and _____.

- A** holds its magnetism for a long time
- B** holds its magnetism for a short time
- C** holds its magnetism forever
- D** can never break



(a)

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

- A** 5 and 6
- B** 1 and 4
- C** 1 and 2
- D** 7 and 8



(c)

In the diagram below, at which points would the **magnetic field** be the **weakest**?

- A** 1 and 2
- B** 3 and 4
- C** 4 and 5
- D** 7 and 8



(d)



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- C** 1 and 2 would repel one another
- D** 1 and 4 would repel one another

- A** 1831 – 1904
- B** 1904 – 1948
- C** 1962 – 1973
- D** 1994 – 2001



The **magnetic** North Pole changes location, but the **geographic** North Pole does **not**. True or false?

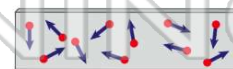
- A** true
- B** false



(a)

The diagram below shows the **movement of particles** inside a substance. The particles look like _____.

- A** they have been magnetized
- B** they have not been magnetized
- C** they are moving in one direction
- D** they have been crushed



(b)