Magnetism

Sci F

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**.

7

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

7

5

7

A 1 and 4 would 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

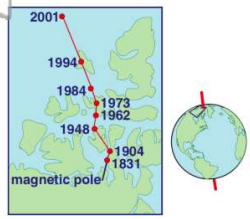
been taken seven, eleven, or more than 40 years apart. Use the map to determine when the pole was moving the **fastest**.

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

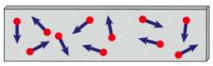
9 The **magnetic** North Pole changes location, but the **geographic** North Pole does not.

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

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D

B

7 1 N 3 4 S 2

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D

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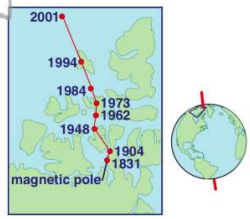

A

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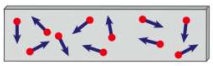

B