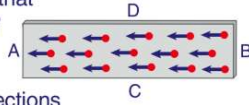




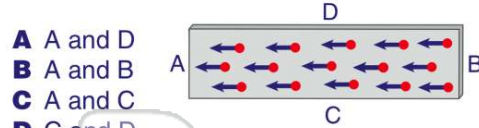
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 The diagram below shows the **particles** inside a piece of **magnetized iron**. What evidence is there in the diagram that the iron is magnetized?



- A all the particles point in different directions
- B all the particles point in the same direction
- C most of the particles point in opposite directions
- D only a few particles point in the same direction

2 In the diagram below of a piece of magnetized iron, the **poles** are located at points \_\_\_\_\_.



- A A and D
- B A and B
- C A and C
- D C and D

3 Which material would make the **strongest magnet**?

- A aluminum
- B tin
- C iron
- D copper



4 All magnets \_\_\_\_\_.

- A have the same force
- B are made of iron
- C have two poles
- D cannot lose their magnetic properties



## PREVIEW

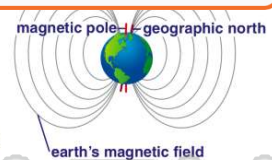
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7

- A rub it with a paper clip
- B drop it several times
- C put it in water
- D put it near another magnet

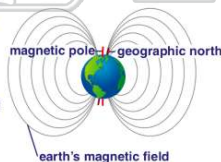
**perpendicular** to one another.  
True or false?

- A true
- B false



9 Based on the diagram below, it is correct to say that a **compass** would \_\_\_\_\_.

- A always point to the geographic North Pole
- B likely point close to the geographic North Pole
- C point to the magnetic South Pole
- D point half way between the magnetic and geographic poles



10 A reliable **compass** would have a needle **made of** \_\_\_\_\_.

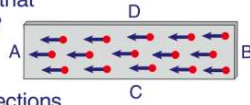
- A plastic
- B paper
- C cardboard
- D metal





## ANSWER KEY

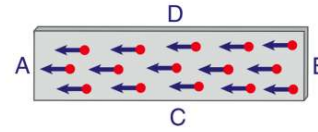
The diagram below shows the **particles** inside a piece of **magnetized iron**. What evidence is there in the diagram that the iron is magnetized?



- A** all the particles point in different directions
- B** all the particles point in the same direction
- C** most of the particles point in opposite directions
- D** only a few particles point in the same direction

(b)

In the diagram below of a piece of magnetized iron, the **poles** are located at points \_\_\_\_\_.



- A** A and D
- B** A and B
- C** A and C
- D** C and D

(b)

Which material would make the **strongest magnet**?

- A** aluminum
- B** tin
- C** iron
- D** copper



(C)

All magnets \_\_\_\_\_.

- A** have the same force
- B** are made of iron
- C** have two poles
- D** cannot lose their magnetic properties



(C)



## PREVIEW

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- C** put it in water
- D** put it near another magnet

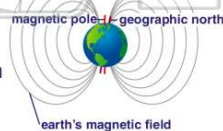
True or false?

- A** true
- B** false



Based on the diagram below, it is correct to say that a **compass** would \_\_\_\_\_.

- A** always point to the geographic North Pole
- B** likely point close to the geographic North Pole
- C** point to the magnetic South Pole
- D** point half way between the magnetic and geographic poles



(b)

A reliable **compass** would have a needle **made of** \_\_\_\_\_.

- A** plastic
- B** paper
- C** cardboard
- D** metal



(d)