

NAME.....

DATE.....

**QUESTION 1**

Magnetic induction is a \_\_\_\_\_ quantity?

- A. Big
- B. Small
- C. Scalar
- D. Vector

**QUESTION 2**

The magnetic compass needle always points towards the?

- A. North
- B. South
- C. East
- D. West

**QUESTION 3**

Under what conditions can a magnet lose its magnetic properties?

- A. When it is heated
- B. When it is dropped
- C. When it is hammered
- D. All of the above

**QUESTION 4**

Which of the following metals can be used in the core of an electromagnet?

- A. Steel
- B. Copper
- C. Iron
- D. Gold

**QUESTION 5**

When a magnet is cut into two identical halves, which of the following happens?

- A. The magnet breaks and is no longer magnetic
- B. Two magnets are formed, and they both are magnetic
- C. One of the halves remain magnetic and the other loses its magnetism
- D. Depends on how they are cut so you can't tell