

Simple Phenomena of Magnetism

Question Paper

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|------------|-------------------------------|
| Course | CIE IGCSE Physics |
| Section | 4. Electricity & Magnetism |
| Topic | Simple Phenomena of Magnetism |
| Difficulty | Easy |

Time Allowed 10

Score /5

Percentage /100

Question 1

Which of the lists of metals below contains only metals which are non-ferrous?

- A. Iron, steel, nickel
- B. Cobalt, copper, steel
- C. Aluminium, brass, copper
- D. Iron, tin, aluminium

[1 mark]

Question 2

Which of the following choices of metal would be suitable for:

- Use as a permanent magnet?
- Use as the core in an electromagnet?

| | Use as a permanent magnet | Use as the core of an electromagnet |
|---|---------------------------|-------------------------------------|
| A | steel | iron |
| B | steel | steel |
| C | iron | iron |
| D | iron | steel |

[1 mark]

Question 3

Which of the lists below are metals that are ferrous?

- A. aluminium and iron
- B. steel and iron
- C. steel and lead
- D. tin and iron

[1 mark]

Question 4

Which statement about a permanent bar magnet is **incorrect**?

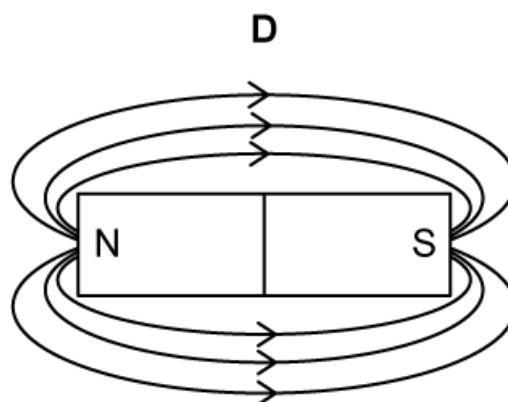
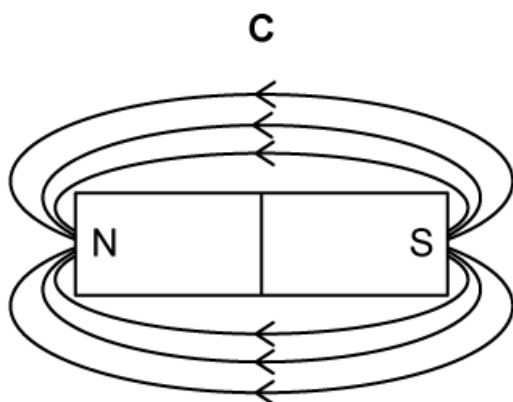
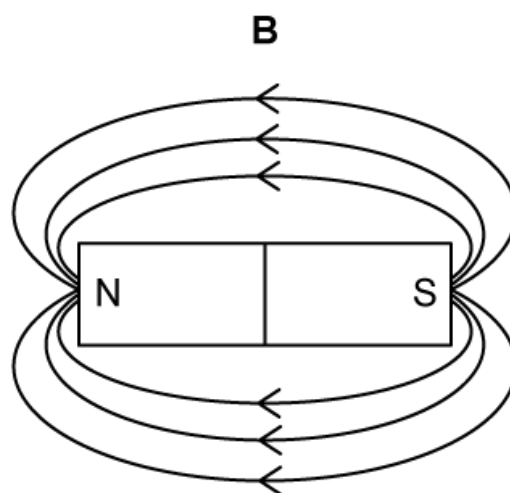
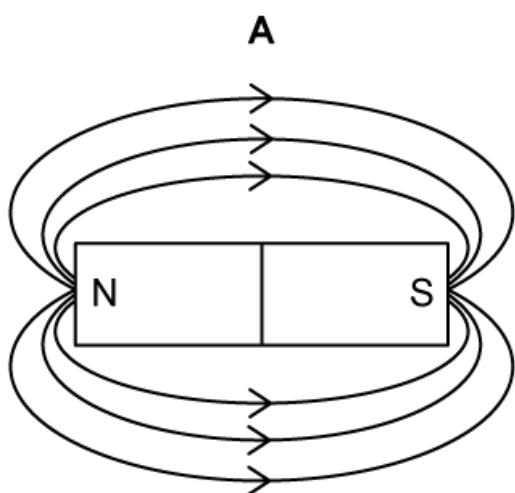
- A. The S-pole attracts the N-pole of another magnet
- B. The S-pole repels the S-pole of another magnet
- C. It cannot repel a non-magnetic material
- D. It is made from a soft magnetic material (such as soft iron)

[1 mark]

Question 5

Extended tier only

Which magnet has the strongest magnetic field?



[1 mark]