ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 12 · 10 QUESTIONS

# Magnetism and the Motor Effect — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

**1** **A calculator runs on a small current. What is current measured in?**

- **A** ohms, the unit of resistance
- **B** amperes
- **C** volts, the unit of voltage
- **D** watts, the unit of power

Understand It with Pulse | Flag a mistake

2 **A guitar is plugged into an amplifier. What flows through the cable?**

- A sound waves travelling along it
- B light
- C electric current
- D water

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3 **A passenger aeroplane flies at a steady speed and height. What is the resultant force on the aeroplane?**

- A 10000 N
- B 5000 N
- C 0 N
- D 1000 N

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4 **Which of these is NOT a magnetic material?**

A nickel

B iron

C cobalt

D copper

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5 **A passenger train travels at a steady speed. What is its acceleration?**

A $0\ m/s^2$

B $1\ m/s^2$

C $10\ m/s^2$

D $9.8\ m/s^2$

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6 **A yellow school bus carries children to school. Which blood vessel carries blood away from the heart, like a bus leaving the station?**

- A a ventricle
- B a capillary
- C a vein
- D an artery

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7 **How can the force on a wire in a magnetic field be increased?**

- A use a smaller current, half as big
- B use a weaker magnet
- C use a shorter wire
- D bigger current, stronger magnet

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8 **What is an electromagnet used for in a scrapyard?**

A lifting scrap aluminium and copper

B lifting scrap iron

C melting scrap metal for recycling

D cutting scrap metal into pieces

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9 **Which metals are magnetic?**

A iron, nickel and cobalt

B lead, tin and aluminium

C aluminium, copper and lead

D copper, zinc and aluminium

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10 **Which poles repel each other?**

A unlike poles, which attract each other

B no poles repel each other at all

C north and south poles together

D like poles

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## ANSWER KEY

1. B
2. C
3. C
4. D
5. A
6. D
7. D
8. B
9. A
10. D

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