ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 11 · 10 QUESTIONS

Static Electricity — 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 basketball is thrown up. What happens to its speed as it rises?**

- A it decreases
- B it stays the same
- C it increases
- D it becomes zero

Understand It with Pulse | Flag a mistake

2 **A tennis ball is served fast. What is its speed like?**

- A high
- B negative
- C low
- D zero

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3 **How does a smoke precipitator clean air?**

A the air is filtered through cloth

B charged plates attract smoke

C the smoke is burned away

D the smoke is blown outside

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

A electric current

B light

C sound waves travelling along it

D water

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5 **A charged rod attracts small pieces of paper. Why?**

- A paper is magnetic
- B paper is always charged
- C the rod heats the paper
- D it induces a charge

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6 **Glass marbles in a tray are used as a model for particles in a solid. What do the marbles show?**

- A particles vibrate in fixed positions
- B particles move freely through space
- C particles are far apart from each other
- D particles flow past each other easily

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7 **Why is rubber used for the handles of tools?**

- **A** it makes tools lighter
- **B** it is magnetic
- **C** it stops charge flowing
- **D** it is cheaper than metal

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8 **Two insulators are rubbed together. What happens to the electrons?**

- **A** they stay exactly where they were
- **B** they move from one to the other
- **C** they turn into protons
- **D** they are destroyed by the rubbing

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9 **A current of 4 A flows for 30 s. How much charge flows, in C?**

- A 240
- B 60
- C 120
- D 130

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10 **Which of these shows the field around a negative charge?**

- A lines pointing outwards
- B lines in circles
- C lines pointing inwards
- D no lines at all

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ANSWER KEY

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

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