ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · 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 thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 10
- B 100
- C 32
- D 0

Understand It with Pulse | Flag a mistake

2 **A guitar string vibrates to make a sound. What type of wave is the sound wave?**

- A transverse
- B longitudinal
- C electromagnetic
- D standing

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3 **Why can an insulator hold a static charge?**

A electrons cannot move through it

B it is always charged

C it has no electrons at all

D it attracts charge from the air

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4 **What happens to the field lines where two like charges are close?**

A they form circles

B they disappear

C they push apart

D they join together

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5 **How does a photocopier use static electricity?**

- A the toner is blown onto the paper
- B the drum is magnetic
- C the paper is heated by static
- D charged toner sticks to the drum

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6 **A current of 2 A flows for 20 s. How much charge flows, in C?**

- A 50
- B 80
- C 20
- D 40

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7 **A wristwatch ticks every second. How many ticks in a minute?**

- A 100
- B 60
- C 12
- D 30

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8 **Which of these is a good earth connection?**

- A a metal rod in the ground
- B a wooden post, which does not conduct
- C a rubber mat, which is an insulator
- D a plastic pipe, which cannot conduct

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9 **Glass marbles are used to model atoms. What is a limitation of the model?**

A marbles are too small to see properly

B marbles are much bigger than atoms

C marbles cannot be counted accurately at all

D marbles are the wrong colour for atoms

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10 **A balloon rubbed on hair sticks to a wall. Why?**

A the hair makes it sticky

B the balloon is wet

C it charges the wall

D the wall is magnetic

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ANSWER KEY

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

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