ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · UNIT 3 · 5 QUESTIONS

Conservation of Energy — 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 dropped. What energy store increases as it falls?**

- A thermal
- B elastic
- C gravitational potential
- D kinetic

Understand It with Pulse | Flag a mistake

2 **What is the unit of power?**

- A the newton, which is force
- B the watt
- C the joule, which is energy
- D the volt, which is potential difference

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3 **A red race car brakes hard. What happens to its kinetic energy?**

- A it increases
- B it disappears
- C it becomes sound only, nothing else
- D it is transferred to heat

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4 **A bicycle rolls down a hill. What happens to its gravitational potential energy?**

- A it becomes chemical energy stored in the bike
- B it stays the same
- C it increases
- D it decreases as kinetic energy increases

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5 **A Sankey display for a light bulb shows 100 J in, 10 J of light out and 90 J of heat out. What is the useful energy?**

A 100 J of electricity

B 10 J of light

C 110 J in total

D 90 J of heat

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ANSWER KEY

1. D
2. B
3. D
4. D
5. B

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