ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY HIGHER · UNIT 7 · 5 QUESTIONS

Movement and Interactions — 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 so it can be fixed.

1 **A basketball bounces. What type of energy is stored when the ball squashes?**

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

Understand It with Pulse | Flag a mistake

2 **A device transfers 500 J of energy in 10 seconds. What is its power?**

- A 50 W
- B 100 W
- C 25 W
- D 5000 W

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3 **A bicycle is ridden uphill. Which energy store increases?**

- A gravitational potential
- B elastic potential energy
- C thermal energy from friction
- D kinetic energy of motion

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

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

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5

A rocket in space has no air around it. What happens to air resistance?

A it becomes gravity

B it increases

C there is none

D it stays the same

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ANSWER KEY

1. B
2. A
3. A
4. C
5. C

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