ENGLAND GCSE PHYSICS AQA FOUNDATION · UNIT 8 · 10 QUESTIONS

Space Physics — 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 **Hardcover books are dropped. What happens to their speed as they fall?**

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

Understand It with Pulse | Flag a mistake

2 **A red race car speeds up on a straight track. What is the resultant force doing?**

- A causing acceleration
- B causing deceleration
- C causing a turn
- D doing nothing

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

A kinetic

B thermal

C gravitational potential

D elastic potential

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4 **A satellite orbits at a radius of 100 km and takes 10 seconds for one orbit. Use pi = 3.14. What is its orbital speed?**

A 125.6 km/s

B 62.8 km/s

C 31.4 km/s

D 67.8 km/s

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5 **A wristwatch is used to time a race. What is speed calculated from?**

- A mass and time together
- B distance only, not time
- C time only, not distance
- D distance and time

Understand It with Pulse | Flag a mistake

6 **What is a supernova?**

- A a star quietly cooling down, slowly
- B a comet hitting a star
- C a planet forming
- D a massive star exploding

Understand It with Pulse | Flag a mistake

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

- A there is none
- B it becomes gravity
- C it stays the same
- D it increases

Understand It with Pulse | Flag a mistake

8 **A calculator is switched on. What does the battery transfer energy to?**

- A the screen only
- B the buttons only
- C the case
- D the circuits

Understand It with Pulse | Flag a mistake

9 **What is a protostar?**

A a planet around a star

B a young forming star

C a cloud with no gravity

D a dead star

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10 **A passenger aeroplane cruises. Which force opposes its motion?**

A drag

B weight

C lift

D thrust

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ANSWER KEY

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

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