ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 18 · 10 QUESTIONS

Global Challenges in 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 so it can be fixed.

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

- A lift
- B drag
- C weight
- D thrust

Understand It with Pulse | Flag a mistake

2 **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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3 **Why is hydroelectric power reliable?**

A it makes no noise at all

B it needs no rain at all

C stored water can be released

D it works anywhere on land at all

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4 **What happens to momentum in a crash?**

A it turns into heat only

B it doubles in size

C it disappears completely

D it is conserved

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5 **A Ferris wheel turns. What force keeps a person moving in a circle?**

- A air resistance pushing them back
- B centripetal force
- C gravity only, pulling them down
- D friction only, gripping the seat

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

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

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7 **What is the braking distance?**

A the length of the road

B the distance travelled while the brakes act

C the distance travelled while the driver reacts

D the distance between two cars

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

A causing acceleration

B doing nothing

C causing deceleration

D causing a turn

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9 **Fishing boats use diesel. What is diesel made from?**

A water, from the sea

B crude oil

C wood, cut from trees

D coal, mined from the ground

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10 **Which of these is a renewable energy resource?**

A wind

B coal

C oil

D natural gas

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ANSWER KEY

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

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