ENGLAND GCSE PHYSICS OCR GATEWAY FOUNDATION · UNIT 8 · 10 QUESTIONS

Global Challenges — 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 Ferris wheel turns. What force keeps a person moving in a circle?**

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

Understand It with Pulse | Flag a mistake

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

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

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3 **Why does light from a receding galaxy arrive red-shifted?**

- A the waves squash
- B the light speeds up
- C the waves stretch
- D the light slows down

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4 **What is a protostar?**

- A a cloud with no gravity
- B a planet around a star
- C a dead star
- D a young forming star

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5 **Which energy resource uses moving air?**

A wind

B nuclear

C coal

D solar

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

A coal

B oil

C wind

D natural gas

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

A crude oil

B wood, cut from trees

C water, from the sea

D coal, mined from the ground

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8 **What does a step-down transformer do at the end of the National Grid?**

A it lowers the voltage for homes

B it turns off the power

C it stores electricity

D it raises the voltage for homes

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9 **A passenger aeroplane takes off. Which force lifts it up?**

A thrust

B lift

C drag

D weight

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10 **Why are speed limits lower near schools?**

A to stop cars altogether

B to make cars quieter

C to save fuel

D to stop cars sooner

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ANSWER KEY

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

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