ENGLAND GCSE PHYSICS OCR GATEWAY HIGHER · 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 red race car speeds up on a straight track. What is the resultant force doing?**

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

Understand It with Pulse | Flag a mistake

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

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

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3 **Which of these is a use of geothermal energy?**

A lighting homes

B powering cars

C making petrol for cars

D heating buildings

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4 **A sailing ship crosses the sea. What is the sea mostly made of?**

A oil

B fresh water

C sand

D salt water

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5 **What is a perfect black body?**

A it absorbs all radiation

B an object that is always cold

C an object that reflects all radiation

D an object that makes no radiation

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6 **Two galaxies show red-shift. One shows a bigger shift than the other. What does the bigger shift mean?**

A it is standing still

B it is closer to us

C it is moving away faster

D it is moving away slower

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7 **What is the Big Bang theory?**

- A the Universe has always been the same
- B the Universe is shrinking
- C it began hot, dense, expanding
- D the Earth exploded

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8 **A passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

- A plasma
- B red blood cells
- C platelets
- D white blood cells

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9 **What does a star like the Sun become after the main sequence?**

- A a black hole
- B a red giant
- C a neutron star
- D a red supergiant

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

- A it raises the voltage for homes
- B it turns off the power
- C it stores electricity
- D it lowers the voltage for homes

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ANSWER KEY

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

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