ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 7 · 10 QUESTIONS

Astronomy — 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 passenger train brakes. What force slows it down?**

- A thrust
- B friction
- C gravity, pulling it down
- D lift

Understand It with Pulse | Flag a mistake

2 **A wristwatch ticks every second. How many ticks in a minute?**

- A 100
- B 12
- C 60
- D 30

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3 **What happens in a star when its hydrogen runs out?**

A it stops shining at once

B it explodes at once

C it turns into a planet

D it fuses heavier elements

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

A thrust

B weight

C lift

D drag

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5 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A decreasing speed
- B steady speed
- C zero speed
- D increasing speed

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6 **What is a nebula?**

- A a planet forming around a star
- B a black hole
- C a dying star
- D a cloud of dust and gas

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7 **A basketball is thrown up. What happens to its speed as it rises?**

A it increases

B it decreases

C it becomes zero

D it stays the same

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8 **A satellite orbits at a radius of 400 km and takes 80 seconds for one orbit. Use pi = 3.14. What is its orbital speed?**

A 36.4 km/s

B 15.7 km/s

C 62.8 km/s

D 31.4 km/s

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9 **Why does a star stay the same size on the main sequence?**

A it cools down

B gravity disappears

C forces balance

D it stops making energy

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10 **Which planet is the largest in the Solar System?**

A Jupiter

B Earth

C Neptune, the far planet

D Saturn, the ringed planet

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ANSWER KEY

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

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