ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 18 · 10 QUESTIONS

Motion and Forces — 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 bicycle is ridden uphill. Which energy store increases?**

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

Understand It with Pulse | Flag a mistake

2 **A basketball is dropped. What energy store increases as it falls?**

- A kinetic
- B gravitational potential
- C elastic
- D thermal

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3 **A red race car travels at a steady speed. What is the resultant force on the car?**

- A 500 N
- B 1000 N
- C 0 N
- D 100 N

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4 **Which factor increases thinking distance?**

- A a wet road
- B worn tyres
- C being tired
- D worn brakes

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5 **A passenger train brakes. What force slows it down?**

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

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

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

Understand It with Pulse | Flag a mistake

7 **A kite is held by a string. What force does the string exert?**

- A tension
- B air resistance
- C friction
- D gravity

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8 **A Ferris wheel is at the top. What is the person's height like?**

- A at its greatest
- B at its smallest
- C at zero
- D unchanged

Understand It with Pulse | Flag a mistake

9 **A rocket launches straight up. Which force acts downwards on the rocket?**

- A gravity
- B thrust
- C air resistance
- D lift

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10 **An object travels 200 m in 40 seconds. What is its speed?**

- A 5 m/s
- B 10 m/s
- C 8000 m/s
- D 2.5 m/s

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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