ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 22 · 10 QUESTIONS

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

A red blood cells

B platelets

C white blood cells

D plasma

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2 **Hardcover books are stacked on a table. What force pulls them down?**

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

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3 **A force of 200 N acts on an area of 4 square metres. What is the pressure?**

- A 25 Pa
- B 800 Pa
- C 100 Pa
- D 50 Pa

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4 **A wristwatch measures time. What is the unit of time?**

A the second

B the day

C the hour

D the minute

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5 **A car goes around a roundabout at a steady speed. Is the car accelerating?**

A yes, its speed is increasing quickly

B no, it is not moving at all

C no, its speed is steady and unchanging

D yes, its direction is changing

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

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

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7 **What force is needed to accelerate a 5 kg object at 4 m/s squared?**

- A 20 N
- B 40 N
- C 25 N
- D 10 N

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8 **What is the weight of a 10 kg object on Earth? Use g = 10 N/kg.**

- A 100 N
- B 10 N
- C 200 N
- D 50 N

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

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

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

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

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ANSWER KEY

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

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