

Mark schemes

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|-----|---|-------------------------|-----|
| 1. | C | 80 m s^{-1} | [1] |
| 2. | D | $\times 10^7 \text{ J}$ | [1] |
| 3. | B | 10^{-14} km | [1] |
| 4. | B | | [1] |
| 5. | C | | [1] |
| 6. | A | | [1] |
| 7. | D | | [1] |
| 8. | C | | [1] |
| 9. | B | | [1] |
| 10. | C | | [1] |
| 11. | D | | [1] |
| 12. | D | | [1] |
| 13. | B | | [1] |
| 14. | B | | [1] |
| 15. | C | | [1] |
| 16. | A | | [1] |

17. B

[1]

18. B

[1]

19. C

[1]

20. C

[1]

21. B

[1]

22. B

[1]

23. A

[1]