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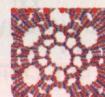
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- Updated examples of applications to illustrate chemical principles.
- More detailed explanation in places to further clarify, for example, some of the more challenging reaction mechanisms.
- Inclusion of a greater number of worked examples in the text.

Underpinning knowledge

We have used diagrams of common molecules and structures throughout the text to help students understand what each component does in a reaction. We have also included a 'Maths toolkit' at the back of the book to help students with what each component does in a reaction. We have also included a 'Maths toolkit' at the back of the book to help students with what each component does in a reaction.

Answers

Answers to all questions in the text are provided at the end of the book.

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An index is provided at the end of the book.

Figure acknowledgements

Figure acknowledgements are provided at the end of the book.

The Greek alphabet

The Greek alphabet is provided at the end of the book.

SI multiplication prefixes

SI multiplication prefixes are provided at the end of the book.

Physical constants

Physical constants are provided at the end of the book.