

Corrections

The following list contains the changes that were made in the Preparatory Problems after their official publication. Other inconsequential formatting changes and typo corrections were also carried out. The published version containing the solutions was updated with these changes.

Problem 4.

The example at the end of the solution for **4.6.** on page 31 was corrected.

We thank István Ficsór of Hungary for pointing out the error.

Problem 5.

The figure with the structure of Nafion was corrected.

We thank Andrej Smrdu of Slovenia for pointing out the error.

Problem 6.

The final and the immediately preceding formula of 6.1. were in error and have been corrected.

We thank Abylay Kabdulahdyr of Kazakhstan for pointing out the error.

Problem 7.

The unit for the first term of the denominator at the end of the 7.3.b. solution was mistaken. The correct unit, J/K was inserted.

We thank Daniel Isler of Switzerland for pointing out the error.

Problem 9.

The answer for 9.5.2. has swapped proportional and inversely proportional.

We thank Gerardo Manuel Ojeda Carralero of Cuba for pointing out the error.

Problem 18.

The orbital diagram on page 89 now includes a horizontal line denoting the non-interacting ligand orbitals..

We thank Prof. György Tarczay of Hungary for the suggestion.

Problem 19.

The scheme on page 95 was updated with the correct molecular formula of **B**, C₁₂H₁₉N.

We thank Prof. Elizbar Elizbarashvili of Georgia for pointing out the error.

Problem 22.

The solution for **22.7.** on page 107 was updated with the correct R/S descriptors.

We thank Dr. Peter Bolgar of the UK for pointing out the errors.

Problem 24.

Problem 24 is a slightly modified version of Problem 5 of the Indian National Chemistry Olympiad 2023 (January). We are grateful to the Homi Bhabha Centre For Science Education for their permission to use.

We apologize for the missing acknowledgements in the first version.

The scheme on page 111 was updated. The H₂ reagent was added to the **L→M** transformation.

We thank Dr. Peter Bolgar of the UK for pointing out the omission.

Problem 25.

The compound letters in the first paragraph on page 116 were corrected (**I→J** and **E→F**).

We thank Andrej Smrdu of Slovenia for pointing out the errors.

Solutions for 9.3 were updated. **G** and **H** in the original were missing the double bonds at the fusion of the rings.

We thank Maria Koyioni of Cyprus for pointing out the mistake.

Problem 34.

The hints for the preparation of the experiment on page 162 omitted the unit from the mass of PNP (15-25 g).

We thank Tom Retzlaff of Germany for pointing out the omission.