Errata (revised Sept 2012)

Chemistry Textbook - 3rd edition, first print (2007)

Unfortunately, despite our best efforts we are now aware of the following errors in this book, we have not included minor typographic and layout errors. These and other minor errors have been corrected in later reprints. We thank readers for bringing some of these to our attention and apologise for any inconvenience.

Page 5 Ex 2 D

Should read: 'The number of hydrogen atoms in ½ mole of C_3H_8.'

Page 26 Exercises

Q7 should read '**344 cm^3**' of hydrogen not 355 cm$^{3'}$ to match the answer given.
Q8 the pressure of hydrogen should be '**4 x 10^6 Pa'**, not '4 x 10^5 Pa' to match the answer given.

Page 159 right hand column, top calculation

Answer should read: = - 145000 J mol^{-1} = - 145 kJ mol^{-1}

Page 317 Exercise 4

Should read:
When a mixture of four isometric **alcohols** with the molecular formula C_4H_9OH is passed through a gas chromatography column they are separated with **2-methylpropan-1-ol (or 2 methylpropan-2-ol)** eluting first and butan-1-ol eluting last.

Page 331 left side bottom line in brackets

Should be **carboxylic** acids not alkanoic acids.

Page 336 Figure 1323 bottom line

The structural formula of linoleic acid should end with **-COOH**

Page 339 under B.4.8 (ii)

Should be **trisaccharide** not triglyceride

Page 348 top of right hand side

In the formula the '?' should be replace with **square brackets**

Page 437

Right hand side coloured heading should be **CARBON MONOXIDE**

Page 441 Figure 1603

The equation in the natural source of carbon monoxide should include **3O$_2$** not $3O_3$

Chapter 18

Unfortunately the following Figures were incorrectly placed.

Figure	Current graphics should be replaced with
1810	Graphics currently used in Figure 1812
1812	Graphics currently used in Figure 1810
1824	Graphics currently used in Figure 1825
1825	Graphics currently used in Figure 1826
1826	Graphics currently used in Figure 1828
1828	Table 11.7 on p 400 of the second edition

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The correct Figures are shown on the following pages (copy and paste if you wish).

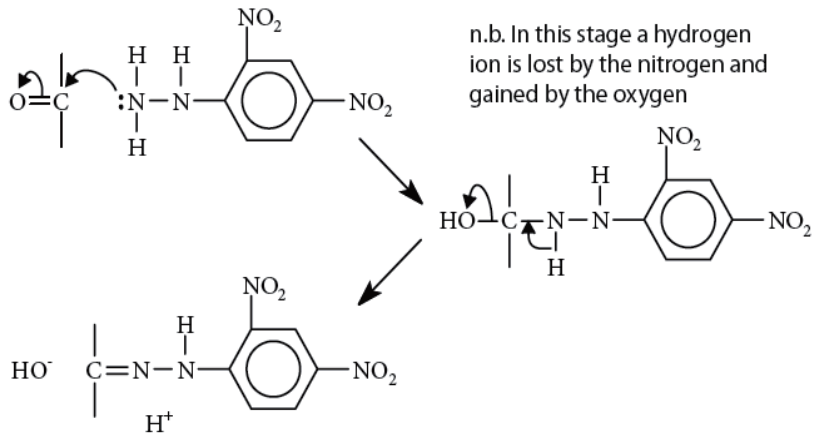

Figure 1810 The addition-elimination reaction of 2.4-dinitrophenylhydrazine with the carbonyl group

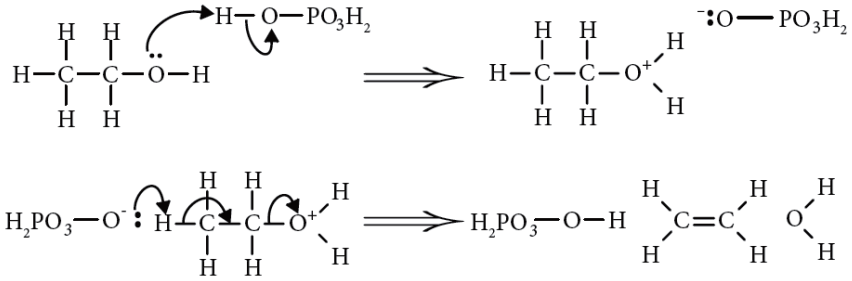

Figure 1812 Mechanism of the acid catalysed elimination reaction of an alcohol

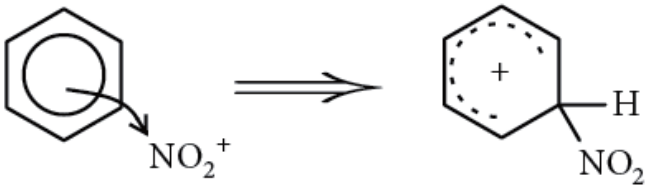

Figure 1824 The electrophilic atack of the nitronium ion on the benzene ring

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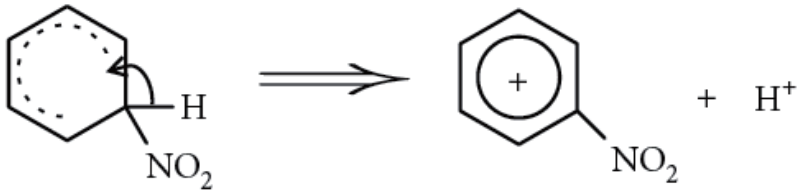

Figure 1825 The elimination of a hydrogen ion from the intermediate carbocation to form nitrobenzene

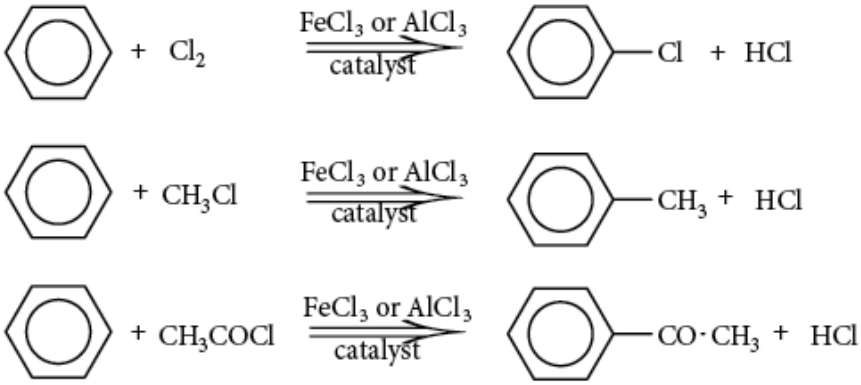

Figure 1826 Some electrophilic substitution reactions of benzene

Position	More reactive than benzene	Less reactive than benzene
2- or 4- substitution	Slighty: $-CH_3$	-Cl
3- substitution	-	$-NO_2$ $-CO_2CH_3$

Figure 1828 The effect of substituents on the reactivity and positional preference for electrophilic substitution reactions of the benzene ring