

NCPQ 3ed. U1&2 Outstanding corrections made to student book (SB) and obook.

Richard Walding - 1 January 2024.

UNIT 1&2 STUDENT BOOK	
<p>U1&2 SB p320</p> <p>Notified 7 Sept 2023</p> <p>Not done as at 1 Jan 2023</p>	<p>Replace Figure 4 on page 320 with this one. The two arrows should be the same length.</p> <div style="text-align: center;"> </div>
UNIT 1&2 OBOOK	
<p>U1&2 obook</p> <p>Not fixed as of 1 Jan 2024</p>	<p>Flashcard glossary Chapter 1 Heat and temperature.</p> <p>Definition of ‘energy’ card should read ‘the capacity to do mechanical work (symbol: E; SI unit: joule; unit symbol: J)’</p>
<p>U1&2 obook</p> <p>Not fixed as at 1 Jan 2024</p>	<p>Chapter 5 Revision Questions p 183. Question 9(b) answer is missing.</p> <p>It is $\frac{222}{86}Rn$</p>
<p>U1&2 obook</p> <p>advised 24 Aug 2023</p>	<p>Ch 16 Revision Questions.</p> <p>Answer to MCQ 3 is 33.9° which is closer to 5° (option A).</p>
<p>U1&2 obook</p>	<p>Unit 1 Data Test. Dataset 2 Item 8 answer should have a red line added.</p> <div style="text-align: center;"> </div>
U1&2 ASSESS QUIZZES	
<p>U1&2 obook</p> <p>Advised May 2020.</p> <p>Not done as at 1 January 2024</p>	<p>Assess quiz. Chapter 4 Consolidate. Q5</p> <p>$1.68 \times 10^{-11} J$ (correct answer)</p> <p>$1.86 \times 10^{-28} J$ (incorrect answer)</p> <p>$5.58 \times 10^{-20} J$ (incorrect answer)</p> <p>$1.01 \times 10^{16} J$ (incorrect answer)</p> <p>This is how it appears at 1 Jan 2024</p>

5 The mass defect for N-14 is 0.112 356 u. Determine the binding energy in joules.

a. 6.77×10^{-29}

b. 1.87×10^{-28} ◀ CORRECT ANSWER

c. 2.66×10^{-29}

d. 1.33×10^{-29}