

## Chapter 7: Mark schemes

Questions 1–3 are **low demand questions**; these appear on Foundation tier papers. They are written to target grade F students. Borderline grade C students should achieve a fairly high mark. The final two columns in the mark schemes for LD questions given the marks that would be expected by F grade and C grade students.

Question number	Section	Target	Level of demand
1	7.1	DA/SA	LD

	Answer	Extra information	Mark	F	C
a) (i)	nucleus		1	1	1
(ii)	<ul style="list-style-type: none"> <li>• protons</li> <li>• neutrons</li> </ul>	accept either order/ singular names/P, p, N or n	1 1	1	2
(iii)	electrons	accept singular name/E or e	1	1	1
b)		three lines correct = 2 marks	2	1	2
<b>Total marks</b>			<b>6</b>	<b>4</b>	<b>6</b>

Question number	Section	Target	Level of demand
2	7.1	DA/SA	LD

	Answer	Extra information	Mark	F	C
a) (i)	protons	accept electrons	1	1	1
(ii)	<ul style="list-style-type: none"> <li>• protons</li> <li>• neutrons</li> </ul>	accept either order/ electrons instead of protons.	1 1	1	2
(iii)	neutrons		1		1
b) (i)	2		1	1	1
(ii)	8		1	1	1
<b>Total marks</b>			<b>6</b>	<b>4</b>	<b>6</b>