

The Periodic Table: development and modern layout

Q1. (2018)

06.2	[12 + (3 × 16)] or 60	an answer of 137 scores the 2 calculation marks	1	AO2 5.3.1.2 5.3.1.3 5.1.1.5
	(197 – 60 =) 137		1	
	barium or Ba	barium or Ba without working scores this mark	1	

Q2. (2019)

04.1	atomic weight	do not accept atomic mass or A_r	1	AO1 5.1.2.2
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Q3. (2019)

04.2	left gaps / spaces or changed the order based on atomic weights		1	AO1 5.1.2.2
		allow placed them in correct groups according to properties do not accept reference to atomic number		

Q4. (2020)

07.3	early periodic tables were arranged with elements in order of their atomic weights	ignore atomic mass	1	AO1
	iodine has a lower atomic weight than tellurium	allow converse for tellurium	1	AO1
	(so) Mendeleev placed iodine with elements with same / similar properties or (so) Mendeleev placed tellurium with elements with same / similar properties	allow F / Cl / Br for elements	1	AO2 5.1.2.2
		allow O / S / Se for elements		

Q5. (2021)

01.1	(Group) 0 or noble gases		1	AO2 5.1.2.2
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