

ATOMS, ELEMENTS & COMPOUNDS 1

MARK SCHEME

Q1.

Question	Answer	Extra information	Marks
(i)	all atoms are the same / it only contains one type of atom	accept all ions are the same do not accept only got one atom do not accept all atoms are the same size ignore particles	1
(ii)	two different / types atoms / elements / ions bonded / joined together	accept more than one type of atom / ion / element do not accept different size accept definite proportions do not accept mixture	1 1
Total marks			3

Q2.

Question	Answer	Extra information	Marks
(i)	3 / three		1
(ii)	5 / five		1
Total marks			2

Q3.

Question	Answer	Extra information	Marks
(i)	oxygen / O / O ₂	do not accept oxide	1
(ii)	sodium and carbon and oxygen all correct numbers linked to correct elements i.e. 2 (sodium), a / 1 (carbon), 3 (oxygen)	do not allow symbols alone do not allow oxide accept statement 'the number and type of atoms' for 1 mark only ignore types of particles	1 1
Total marks			3

Q4.

Question	Answer	Extra information	Marks
(a)	3		1
(b)	4		1
(c)	3		1
(d)	1		1
Total marks			4

Q5.

Question	Answer	Marks
A	electrons	2
B	bonds	3
C	products	1
D	elements	4
Total marks		4

Q6.

Question	Answer	Marks
A	the nucleus	2
B	a bond	4
C	an electron	3
D	an element	1
Total marks		4

Q7.

Question	Answer	Extra information	Marks
(a)	3		1
(b)	4		1
(c)	2		1
(d)	3		1
Total marks			4

Q8.

Question	Answer	Extra information	Marks
(a)	3		1
(b)	4		1
(c)	2		1

(d)	1		1
Total marks			4

Q9.

Question	Answer	Extra information	Marks
A	2		
B	4		
C	3		
D	1		
Total marks			4

Q10.

Question	Answer	Extra information	Marks
(a)	1		1
(b)	2		1
(c)	1		1
(d)	4		1
Total marks			4