AQA GCSE Chemistry | 8462

SPECIFICATION POINT 4.2.2.1

The three states of matter

Mark schemes and examiner comments

Tier	**Foundation**
Question groups	**2**
Available paper years	**2010–2010**

Using this booklet

1. Booklet answer numbers match the question booklet.
2. Use the original question number within marking tables.
3. Examiner comments are included where available.

Name: _____ **Date:** _____

Where a precise marking extract is unavailable, the full source document is included in an appendix. Any missing mark scheme is explicitly identified.

4.2.2.1 The three states of matter

Answer 01 · Mark scheme

June 2010 | CHY1BP | Original Q1 | Legacy

Question	Key		
One	**A**	Nitrogen	**2**
	B	Oxygen	**3**
	C	Carbon dioxide	**1**
	D	Argon	**4**

4.2.2.1 The three states of matter

Answer 02 · Mark scheme

June 2010 | CHY2F | Original Q3 | Legacy

Question 3

question	answers	extra information	mark
3(a)	the glow stick is brighter (owtte)	accept glow stick is less bright **at low temperatures** (owtte) ignore references to rate / particles	1
3(b)	gave out light for less time	accept use of figures from table for comparison allow reference to speed / rate eg quicker / faster reaction	1
3(c)	the particles will collide more often the particles will move faster the particles will have more energy		1 1 1
3(d)	any **one** from: • repeat • measure brightness eg use light meter • more temperatures **or** wider range • improve precision	allow more glow sticks	1
Total			**6**

4.2.2.1 The three states of matter

Answer 02 · Mark scheme

June 2010 | CHY2F | Original Q3 | Legacy

CHY2F