

ASEEDER

**58th INTERNATIONAL
CHEMISTRY OLYMPIAD
2026
UK Round One
STUDENT ANSWER BOOKLET**

In order to process your score, we need to store your name, candidate number, centre name, centre number, and mark in a database: these details are only viewable by ASEEDER and the RSC Chemistry Olympiad project team.

Your participation in the competition indicates that you are happy for us to do this.

Please PRINT details clearly and in ENGLISH:

Name

Account number

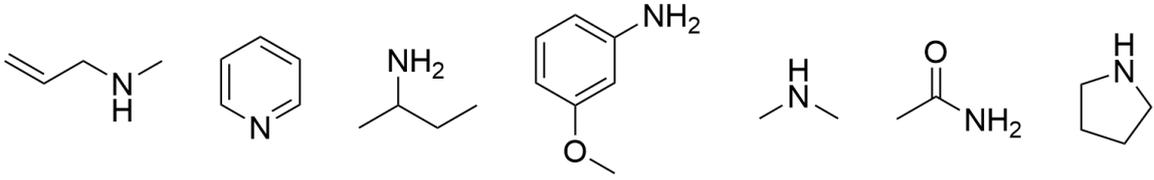
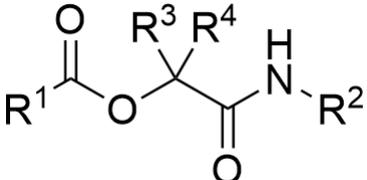
Date of birth

School name

Question	1	2	3	4	5	Total
Marks Available	8	18	19	26	13	84
Marks Scored						

1.	This question is about pee in the pool			Mark
(a)	Cl_2	HOCl	HCl	<input data-bbox="1401 219 1481 297" type="checkbox"/> <input data-bbox="1401 353 1481 432" type="checkbox"/>
(b)				<input data-bbox="1401 533 1481 611" type="checkbox"/>
(c)	(i)			<input data-bbox="1401 752 1481 831" type="checkbox"/>
	(ii)			<input data-bbox="1401 931 1481 1010" type="checkbox"/>
(d)				<input data-bbox="1401 1122 1481 1200" type="checkbox"/>
(e)				<input data-bbox="1401 1408 1481 1487" type="checkbox"/>
(f)				<input data-bbox="1401 1722 1481 1800" type="checkbox"/>
<i>Total out of 8</i>				<input data-bbox="1378 1901 1500 2029" type="checkbox"/>

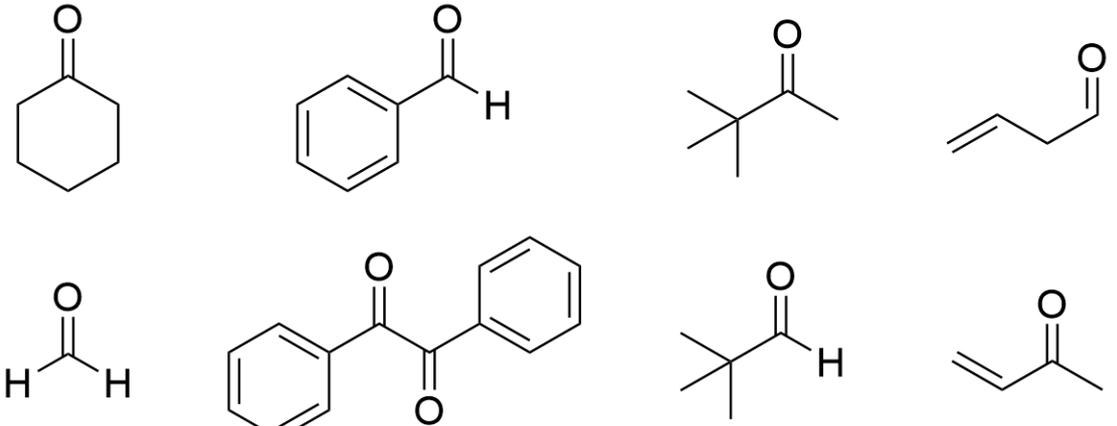
2.	This question is about isocyanides	Mark
(a)		<input type="checkbox"/>
(b)	(i)	<input type="checkbox"/>
	(ii)	<input type="checkbox"/>
(c)		<input type="checkbox"/>
(d)	(i) C	<input type="checkbox"/>
	(ii) D	<input type="checkbox"/>

(e)		<input type="checkbox"/>
(f)		<input type="checkbox"/> <input type="checkbox"/>
(g)		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
(h)		<input type="checkbox"/>
(i)		<input type="checkbox"/>

(j)

(k)

Total out of 18

3.	This question is about compounds in henna tattoos	Mark
(a)		<input type="checkbox"/>
(b)		<input type="checkbox"/> <input type="checkbox"/>
(c)		<input type="checkbox"/> <input type="checkbox"/>
(d)	(i) and (ii)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

(e)	<table border="1"> <tbody> <tr> <td data-bbox="183 87 427 241">electrophilic aromatic substitution</td> <td data-bbox="427 87 655 241">nucleophilic aromatic substitution</td> <td data-bbox="655 87 884 241">reduction</td> <td data-bbox="884 87 1112 241">oxidation</td> <td data-bbox="1112 87 1340 241">hydrolysis</td> </tr> <tr> <td data-bbox="183 241 427 331"></td> <td data-bbox="427 241 655 331"></td> <td data-bbox="655 241 884 331"></td> <td data-bbox="884 241 1112 331"></td> <td data-bbox="1112 241 1340 331"></td> </tr> </tbody> </table>	electrophilic aromatic substitution	nucleophilic aromatic substitution	reduction	oxidation	hydrolysis						<input type="checkbox"/>
electrophilic aromatic substitution	nucleophilic aromatic substitution	reduction	oxidation	hydrolysis								
(f)	(i)	<input type="checkbox"/>										
	(ii)	<input type="checkbox"/>										
(g)	(i)	<input type="checkbox"/>										
	(ii)	<input type="checkbox"/> <input type="checkbox"/>										

(h)

(i)

(j)

Total out of 19

4. This question is about rice, spice, and mice

Mark

(a)



(b)

(i)

(ii)



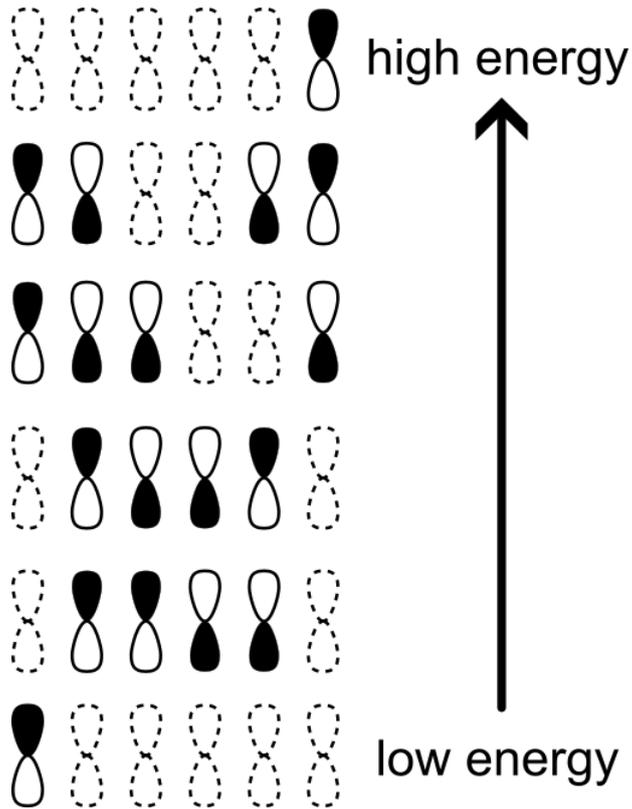
(c)

lowest energy

highest energy



(d)



(e)

(i)



(ii)

(f)

yes	no

(g)

it decreases	it stays the same	it increases

(h)

(i)

A

B

C

D

E



F

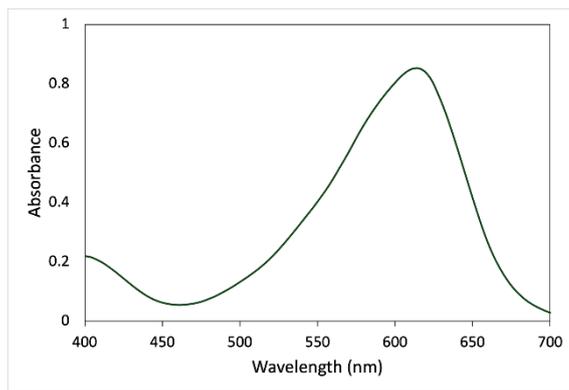
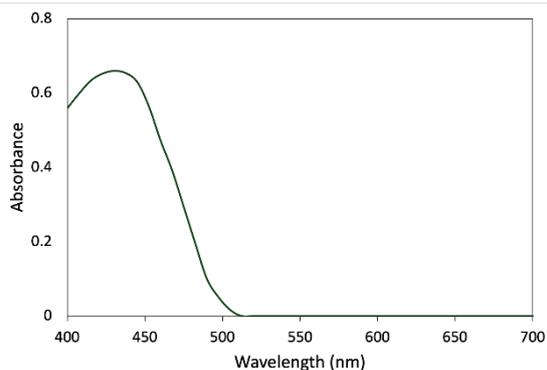
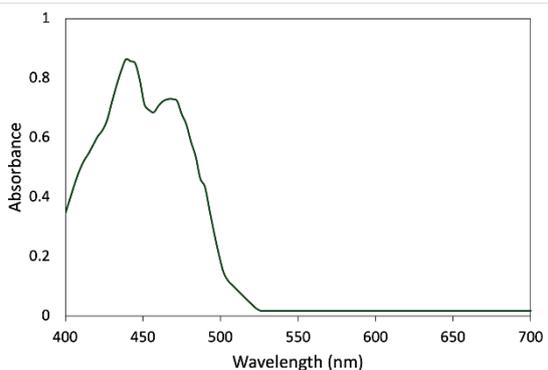
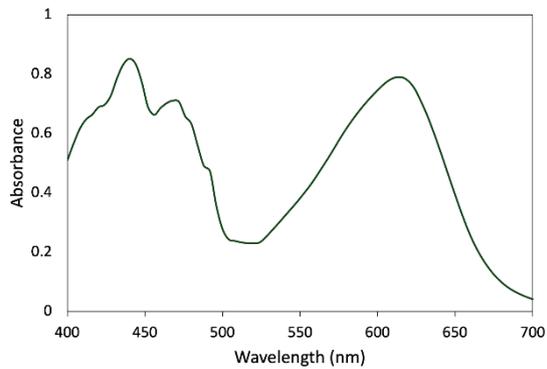
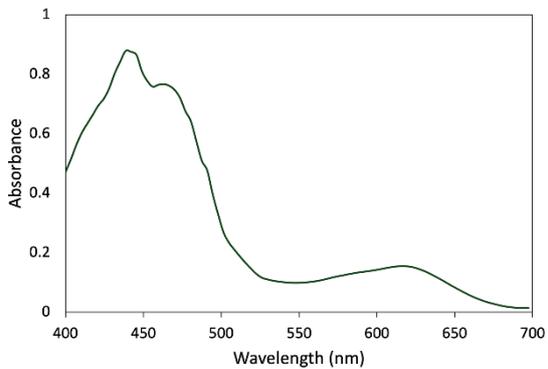


(j)

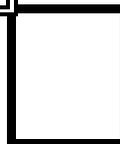
blue	yellow	orange	red



(k)



Total out of 26



5. This question is about minerals

Mark

(a)

(b)

(c)

libethenite	turquoise

(d)



(e)

(i)



(ii)



(f)

(i)

(ii)

Total out of 13