

AS Organic reaction mechanisms self-assessment pro forma Name:

We have created talking mark schemes, hosted on YouTube, which you can watch to assist you in marking your own work. An expert explains the answers to the questions and the thought processes behind them. The idea is to help you to 'think like an expert' when you approach organic reaction mechanisms in the future. Our research has shown that it's important for you to reflect on your performance as you self-assess your work, and as such you should complete all the reflective questions as well as recording your marks so you can devise strategies for future success in this area. **Unsure what this is about? Watch this video first:** <https://youtu.be/haEL4F3cwf8>

Question 1 For the talking mark scheme on You Tube, go to: <http://tinyurl.com/z4r2pkb>

Question	1 (a) (i)	1 (a) (ii)	1 (b) (i)	1 (b) (ii)	Total mark
Your marks	... / 2	... / 2	... / 1	... / 3	... / 8

Question 2 For the talking mark scheme on You Tube, go to: <http://tinyurl.com/jchkxat>

Question	2
Your mark	... / 5

Question 3 For the talking mark scheme on You Tube, go to: <http://tinyurl.com/j3xnpy4>

Question	3 (a)	3 (b) (i)	3 (b) (ii)	3 (b) (iii)	Total mark
Your marks	... / 1	... / 1	... / 4	... / 1	... / 7

Question 4 For the talking mark scheme on You Tube, go to: <http://tinyurl.com/jy4uxnu>

Question	4
Your mark	... / 3

Question 5 For the talking mark scheme on You Tube, go to: <http://tinyurl.com/zusjmvn>

Question	5 (a)	5 (b)	5 (c)	Total mark
Your marks	... / 1	... / 1	... / 3	... / 5

Overall mark
... / 28

Reflective questions

1) To what extent do you agree with the following statements? Circle the appropriate option.

"The exam-style questions and talking mark schemes have helped me to develop my understanding of organic reaction mechanisms."

Strongly Agree

Agree

**Neither Agree or
Disagree**

Disagree

**Strongly
Disagree**

Briefly explain your answer:

.....

.....

"I am now more confident about tackling questions that I may meet in my A-Level exams."

Strongly Agree **Agree** **Neither Agree or Disagree** **Disagree** **Strongly Disagree**

Briefly explain your answer:

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.....

2) Your perceptions of organic chemistry: to what extent do you agree with the two statements below? Circle your responses to both statements:

a) *"The best way to approach understanding organic mechanisms is that they are diagrams that need to be memorised."*

Strongly Agree **Agree** **Neither Agree or Disagree** **Disagree** **Strongly Disagree**

b) *"The answer to an organic mechanism question can be worked out by applying some basic principles."*

Strongly Agree **Agree** **Neither Agree or Disagree** **Disagree** **Strongly Disagree**

Has the process of self-assessing your work using talking mark schemes had any impact on your opinion of statements 2 a) and b)? **Yes / No** Briefly explain your answer below:

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3) What are your strengths and weaknesses in organic chemistry?

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What are you going to do to improve your future performance in organic chemistry?

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