

Self Testing

WHAT IS IT?

- A way to check your knowledge and prepare for your assessment.
- Applies what you already know and allows you to focus your revision on areas that you are not confident in.

WHEN WOULD I USE IT?

- After you have finished a topic.
- When you have used other revision techniques to build your knowledge.
- Answer the questions in timed conditions.



VARIATIONS

Work with a partner to create questions for each other and mark each others work.

HOW DO I MAKE/USE ONE?

1. Get some practise questions either from your teacher or online (these will be similar to the ones in your assessment but not exactly the same). For example, they may be from last years exam paper.
2. Use a mark scheme to mark your own test and see what grade you are achieving.
3. If there are any questions you cannot answer, this is where you should focus your revision.

Examples

Fix The Mistakes

1. $\frac{2}{3} + \frac{1}{3} = \frac{3}{6}$

2. $\frac{3}{5} \times \frac{6}{7} = \frac{9}{35}$

3. $\frac{2x}{5x} = \frac{2}{5}$

4. $\frac{x}{5x} = \frac{1}{5}$

5. $2x(2x + 3 + x) = 4x + 6 + 3x$

6. $(4x)^2 = 4x^2$

7. $x(x + 3 + y) = 2x + 3x + xy$

8. $3x(2x - 2 - y) = 5x^2 - 5x + 3xy$

9. $4x(3 - x) = 7x - 4x^2$

10. $(2x + 1)(x - 2) = 2x^2 - 2$

11. $(x + y)^2 = x^2 + y^2$

12. $(x + 2)(x - 3) = x^2 - 6$

13. $\frac{5}{6} - \frac{3}{4} = \frac{2}{2}$

14. $\frac{7}{8} - \frac{3}{8} = \frac{4}{16}$

15. $3x^2 + 3x = 3x(x + x)$

16. $\pi x^2 +$

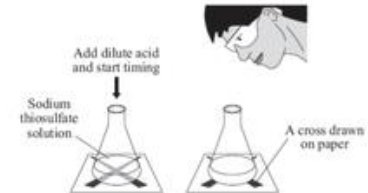
17. $2x + 2y + 1 - (2x + 1) = 2x + 2y + 1 - 2x +$

18. $4(2x^2 - 10) = 8x^2 - 10$

C2 Rates and Energies of Reactions Exam Questions

1. Sodium thiosulfate solution reacts with hydrochloric acid. As the reaction takes place the solution slowly turns cloudy.

The diagram shows a method of measuring the rate of this reaction.



A student used this method to investigate how changing the concentration of the sodium thiosulfate solution affects the rate of this reaction.

The student used different concentrations of sodium thiosulfate solution. All the other variables were kept the same.

The results are shown on the graph on the opposite page.

on the graph. (1 mark)

by all of the points do not lie on the line of best fit.

(2 marks)

