

Quick Quiz

Question Topic	Answers				Marks
	1	2	3	4	
7Ea	C	A	C	A	4
7Eb	B	B	D	B	4
7Ec	C	C	B	D	4
7Ed	B	A	D	D	4
7Ee	B	C	C	B	4

Matching End of Unit Test marks to NC levels

Level	Marks available	Cumulative total	Suggested threshold to achieve level
3	4	4	4
4	8	2	8
5	7	19	14
6	3	22	18
7	3	25	23

End of Unit Test marks

Question	Level	Answer	Mark scheme
1	3/4	orange juice, vinegar, lemonade	3 marks – 1 for each circled
2	3 3 4 4 4 4 4	a D b A c C d B e catches fire f C g B	1 mark 1 mark 1 mark 1 mark 1 mark 1 mark – allow corrosive 1 mark – allow irritant
3	4 5 5 5 5 6 5 7	a vinegar b toothpaste c indicator d litmus e red f neutral g Mix the ink with an acid and note the colour Then mix the ink with an alkali and note the colour	1 mark 1 mark 1 mark 1 mark – allow alternatives, e.g. blackberry juice 1 mark – mark consequentially depending on d 1 mark 1 mark – accept a named acid such as vinegar or lemon juice 1 mark – accept a named alkali such as toothpaste or washing powder
4	5 4/5 7 6 6 7	a Using universal indicator, or using a pH meter b correctly plotted graph smooth curve of best fit c Between 4 and 5 cm ³ d Acid Less than 5 cm ³ of acid needed to neutralise 5 cm ³ of alkali, <i>or</i> When equal volumes of acid and alkali had been mixed, pH was less than 7	1 mark – do not accept litmus, or 'indicator' 2 marks for correctly plotted points Remove one mark if more than three points incorrectly plotted, no marks if six incorrectly plotted 1 mark For a bar chart, award 1 mark in total if all the bars are correct 1 mark 1 mark 1 mark – accept any other relevant reason linked to the data and/or graph