



Rewarding Learning

**ADVANCED SUBSIDIARY (AS)
General Certificate of Education
2017**

Chemistry

Assessment Unit AS 3

assessing

**Module 3: Basic Practical Chemistry
Practical Booklet A**

[SCH31]

WEDNESDAY 3 MAY, MORNING

MARK SCHEME

- 1 (a) Colourless (liquids/solutions) [1]
- (b) (i) fizzing/effervescence [1]
- (ii) white/cream [1] precipitate [1]
- (iii) colourless solution/no change [1]
- (iv) white [1] precipitate [1]
- (v) colourless solution produced/no change [1]
- (vi) yellow [1] precipitate [1] [9]

AVAILABLE
MARKS

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- 2 (a) Suitable table such as the following:

Volume of hydrochloric acid (cm ³)	Temperature (°C)	Repeat Temperature (°C)	Mean Temperature (°C)
0			
5			
10			
15			
20			
25			
30			
35			
40			

No repeat temperature [-1]

Incorrect calculation of mean temperature [-1]

Table not boxed [-1]

No units in headings or one missing [-1] [4]

- (b) (i) x-axis: volume of acid/cm³
y-axis: mean temperature/°C [1]

- (ii) Suitable graph plotted, any of the following omissions [-1]

Points plotted correctly
Smooth best fit curve/line correctly drawn [2]

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3	(a)	(i) E no smell	[1]	AVAILABLE MARKS	
		(ii) F alcohol smell	[1]		
		(iii) G sharp/hydrocarbon/solvent/petrol-like smell	[1]		
	(b)	(i) one layer			
		(ii) two layers			
		(iii) one layer	[3]		
	(c)	F clean blue flame [1]			
		G (yellow/orange) smoky/sooty flame [1]	[2]		
		Total			8
					25