



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]

- 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]

AVAILABLE
MARKS

10

7

