



Rewarding Learning

**ADVANCED SUBSIDIARY (AS)
General Certificate of Education
2018**

Chemistry

Assessment Unit AS 3

assessing

Module 3: Basic Practical Chemistry

Practical Booklet A

[SCH31]

TUESDAY 1 MAY, MORNING

**MARK
SCHEME**

Booklet A

- 1 (a) White (solid) [1] (is the colour of a compound containing a Group I or II ion)
- (b) Orange/Yellow [1]
- (c) Gas is bubbled through limewater [1]
Limewater goes cloudy [1]
- (d) (i) White [1] precipitate [1]
- (ii) Precipitate disappears [1]
Fizzing [1]
Colourless solution [1]
- (iii) White [1] precipitate [1] (sinks) [11]

- 2 (a) Table completed with temperatures given to 1 °C [2]

time (min)	temperature (°C)
0	18
1	18
2	
3	31
4	42
5	42
6	41
7	40
8	39

- (b) Colourless solution (in flask) [1]
black solid (on filter paper) [1] [2]

AVAILABLE
MARKS

11

4

3 (a)

Liquid	UI	pH
B	Red/pink/red-pink	0–4
C	Green Yellow Yellow-green	7–9 6 6–7
D	Red/pink/red-pink	0–4
E	Blue/indigo/violet/ purple	10–14

[4]

- (b) Table drawn with headings and units, e.g. liquid, time (s) [3]
 Correct liquids from (a) included [1] – include liquid C if identified as acidic in (a)
 Times recorded in the appropriate range [2]

liquid	time (s)
B	40
D	220

[6]

Total

AVAILABLE
MARKS

10

25