

**Question 1**

1(a)	filter paper in filter funnel (1) filtrate labelled (1) residue labelled (1)	3
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**Question 2**

2(a)	$\text{CaCO}_3 + 2\text{HNO}_3 \rightarrow \text{Ca}(\text{NO}_3)_2 + \text{H}_2\text{O} + \text{CO}_2$ <b>M1</b> H <sub>2</sub> O and CO <sub>2</sub> as product (1) <b>M2</b> rest of equation correct (1)	2
2(b)	<b>M1</b> fizzing / effervescence (1) <b>M2</b> solid disappears / dissolves (1)	2
2(c)	filtrate	1
2(d)(i)	<b>M1</b> a solution that can contain no more solute (1) <b>M2</b> at a given temperature (1)	2
2(d)(ii)	cool the solution	1