

ACTIVITY 8b – AO2b in Exams – Student Answers

UNIT 1, Q22(e)(ii)

Student 1

React Add Ammonia to produce NH_4Cl

Student 2

The gases can be passed into a fractionating column and the hydrogen chloride can be condensed off by sorting.

Student 3

H can be removed using a gas scrubber.

Student 4

Pass the waste gases through a base like NaOH . HCl reacts with NaOH to produce harmless NaCl and H_2O .

UNIT 2, Q23(c)

Student 1

Because ~~stop~~ sulfuric acid could be an impurity
(and the indicator would show positive)

Student 2

Because It has a range of colours which makes it hard
to find the pH of the mixture

Student 3

Universal indicator will show the same results
for any acid be it propanoic or hydrochloric
Even propan-1-ol has an acidic feature so universal
indicator will still show acidity present in the mixture

Student 4

The reaction mixture turns green when
oxidised so no colour of the indicator ~~is~~
will ~~show~~. ~~MS~~