

Multiple choice questions

1	2	3	4	5
A	C	B	C	C
6	7	8	9	10
A	B	C	C	C
11	12	13	14	15
B	D	B	A	B
16	17	18	19	
D	A	A	B	

Assertion-reason questions

1	2	3	4	5
C	B	C	A	C
6				
B				

Structured questions

1. C (1)

Wear safety glasses. / Wear protective gloves. / Perform the experiment inside a fume cupboard. / Wash affected areas with plenty of water if spilt on the skin or clothes. (1)



(1)

	State the mistake	Suggest a proper action
Mistake 1	The student does not have eye protection. (1)	He should wear safety glasses. (1)
Mistake 2	The mixture may shoot at his face. (1)	Detect ammonia with testing paper / testing agent. (1)

2.

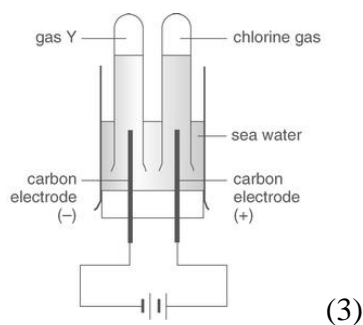
Evaporation (1)

Sodium chloride (1)

As table salt / preservative / flavouring agent (1)

Crystallization (1)

Electrolysis (1)



Hydrogen (1)

Hydrogen gives a 'pop' sound (1)
with a burning splint. (1)

Chlorine: sterilizing drinking water / sterilizing swimming pool water / manufacture of PVC and organic solvents / manufacture of hydrochloric acid / manufacture of bleach (1)

Gas Y: manufacture of ammonia / as rocket fuel / manufacture of hydrochloric acid (1)