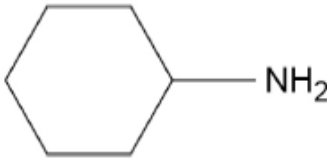
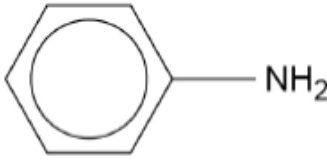


AQA – Amino acids, Proteins and DNA – A2 2023 Chemistry P3

1. No.34

Which compound is the strongest base?

[1 mark]

- A**  ☐
- B**  ☐
- C** NH_3 ☐
- D** NH_4Cl ☐

2. No.36

Cisplatin has the formula $[\text{Pt}(\text{NH}_3)_2\text{Cl}_2]$

Cisplatin is an anti-cancer drug that prevents replication of DNA.

When cisplatin bonds to DNA, which is the correct ligand replacement reaction?

[1 mark]

- A** replacement of one NH_3 ligand ☐
- B** replacement of two NH_3 ligands ☐
- C** replacement of one NH_3 ligand and one Cl^- ligand ☐
- D** replacement of two Cl^- ligands ☐