

| Question | Part | Sub Part | Marking Guidance | Mark | Comments |
|----------|------|----------|--|------|---|
| 6 | (a) | | $\text{Pt}(\text{NH}_3)_2\text{Cl}_2 + \text{H}_2\text{O} \rightarrow [\text{Pt}(\text{NH}_3)_2\text{Cl}(\text{H}_2\text{O})]^+ + \text{Cl}^-$ | | |
| | | | Correct product | 1 | |
| | | | Balanced equation | 1 | |
| 6 | (b) | (i) | Hydrogen bond | 1 | |
| | | | Oxygen (or nitrogen) | 1 | Only score this mark if type of bond is correct |
| 6 | (b) | (ii) | Co-ordinate | 1 | |
| | | | Nitrogen (or oxygen) | 1 | Bond type must be correct to score this mark but allow M2 if bond is covalent |
| 6 | (c) | | Killing them or causing damage (medical side effects) | 1 | Allow any correct side effect (e.g. hair loss) |
| | | | May attach to DNA in normal cells | 1 | Allow kills healthy (or normal) cells |