Stage 1. Develop a step-by-step procedure

- develop a **hypothesis** or **purpose (aim)** for your investigation
- your **initial step-by-step method** including any notes from trials

Stage 2. Collect, record, and process results

- the **recorded and processed data**, with correct units. This will involve some calculations (for example, averages) and/or graphing to look for a relevant pattern.

Stage 3. Interpret your information and present a report

- your **final step-by-step method**, including any changes made during your investigation with an explanation of why you decided on these particular steps and why you made any changes for example, to ensure a fair test or increase accuracy or reliability.
- a **conclusion based on the processed data** that links to the purpose of the investigation. Use appropriate chemistry vocabulary, symbols, and conventions throughout your write up.
- **justification of the choices you made in your final method** to ensure a fair test, increase accuracy and ensure reliability during the investigation
- **justification of your conclusion** in terms of the processed data and the purpose of the investigation
- **relate** the findings of the investigation to the particle collision theory of reaction