The Scientific Method Steps:

1. **Question** - specific idea that can be tested

2. **Knowledge Probe** – read about the topic, ask advice, think about background knowledge

3. **Prediction** – an ‘if, then statement’ with scientific reasoning

4. **Investigation Plan** – create a materials list and procedure (step-by-step)

5. **Observation** – perform the experiment, record data on a table

6. **Data Analysis** – look for patterns in data, find the mean, graph data

7. **Explanation** – an answer to your question with evidence and reasoning

A mnemonic devise students might consider using to assist in memorizing these steps could be:

Quick
Kittens
Play
Instead
Of
Disturbing
Elephants