

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