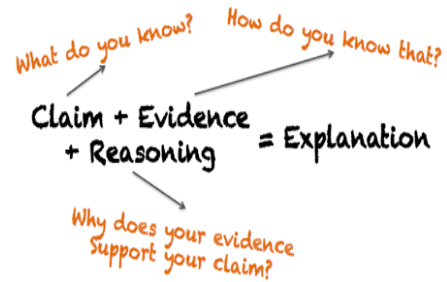


How to Write a Scientific Explanation



Components

- Make a **claim** about the problem.
- Provide **evidence** for the claim.
- Provide **reasoning** that links the evidence to the claim.

Definitions

- **Claim:** An assertion or conclusion that answers the original question
- **Evidence:** Scientific data that supports the student's claim that must be appropriate and sufficient. Can come from an investigation or other source such as observations, reading material, archived data, or other
- **Reasoning:** Justification that links the claim and evidence. Shows why the data counts as evidence to support the claim, using appropriate scientific principles. **Qualities of Communication**
- Use precise and accurate scientific language.
- Write clearly so that anyone interested in the explanation can understand it.