SCAFFOLDED
Claim - Evidence - Reasoning

Three leveled Claim - Evidence - Reasoning charts to use with students as they learn how to write scientific explanations.
CLAIM + EVIDENCE + REASONING

THE QUESTION/PROBLEM: __________________________________________________________
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________

CLAIM: A statement that answers the question or a problem.
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________

EVIDENCE: Data and observations from the investigation that support the claim.
Your sentences might include:
For example… Because… I observed… According to the data… The pattern is… I noticed… The data shows… During the investigation…
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________

REASONING: An explanation for why the evidence supports the claim using science ideas and terms.
Key terms
Provided by your teacher
____________________________________________________________________________
____________________________________________________________________________

= A SCIENTIFIC EXPLANATION
CLAIM + EVIDENCE + REASONING

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CLAIM: A statement that answers the question or a problem.

EVIDENCE: Data and observations from the investigation that support the claim.

REASONING: An explanation for why the evidence supports the claim using science ideas and terms.

= A SCIENTIFIC EXPLANATION
CLAIM + EVIDENCE + REASONING

THE QUESTION/PROBLEM: __________________________________________
______________________________________________________________
______________________________________________________________

CLAIM: What do you know?
______________________________________________________________
______________________________________________________________
______________________________________________________________

+ 

EVIDENCE: How do you know?
______________________________________________________________
______________________________________________________________
______________________________________________________________

+ 

REASONING: Why do you know?
______________________________________________________________
______________________________________________________________
______________________________________________________________

= 

A SCIENTIFIC EXPLANATION