**Developing a Scientific Explanation Tool (DSET)**

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| **What is the question?** |

**Components of a scientific explanation**

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| **Evidence**  ***What is the data that addresses your question?*** | **Claim**  ***What is the answer to your question?*** | **Scientific Reasoning**  ***What are the scientific principle(s) that form a logical argument about the relationship between the claim and evidence?*** |
| I observed... | The answer to my question is... | **My Science Concept is:**    Therefore... (describe connection between evidence and claim) |

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| **Scientific Explanation = Claim + Evidence + Scientific Reasoning**  **My claim is (fill in with above claim) because (evidence and scientific reasoning)** |