Goals:
1) To write a scientific claim and support it with relevant forms of evidence.
2) To revise the argument based on feedback from your peers.

Creating a Scientific Argument

Our first draft of "CLAIM – EVIDENCE – REASONING"	Comments from peers on improving our work	Our improved draft of "CLAIM – EVIDENCE – REASONING"
CLAIM *Here is our claim* [...we believe that X is caused by....OR we believe that Y has a role in how Z happens...]. _____ _____ _____ _____	Is the claim clear? Is it about what is causing something to happen? _____ _____ _____	**Revised CLAIM** _____ _____ _____ _____
EVIDENCE *Our evidence comes from* [name the type of data and the activity it came from]. *We saw in the data* [name the particular trend, or outcome]. _____ _____ _____	Is the data relevant to the claim being made? If two kinds of data or observations are being compared, do they make sense to use together? Is the data credible? _____ _____ _____ _____	**Revised EVIDENCE** _____ _____ _____ _____ _____
REASONING *We think this evidence supports our claim because if these trends in data are happening, then it means that* [state a brief causal chain of events—this chain has to be consistent with known science ideas/facts]. _____ _____ _____	Do you need to make big inferences about what happened or why? Are there big gaps in the causal story here? If you saw this kind of data, does it mean that their claim can be the ONLY one that is true? Should they moderate their claim? _____ _____ _____	**Improved REASONING** _____ _____ _____ _____ _____ _____